



General Catalogue

2021/2022



Reliable made affordable



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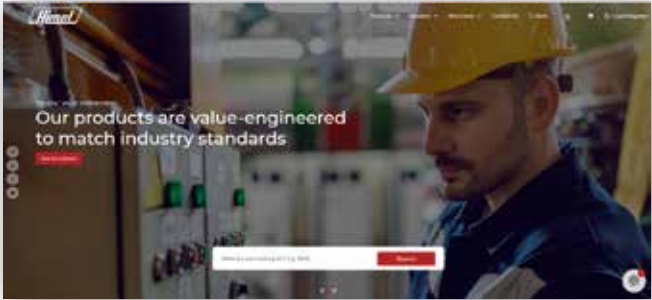


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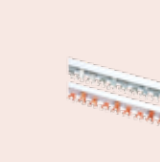


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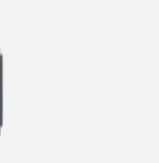
FINAL DISTRIBUTION

001-024

												
003	005	007	008	010	012	014	016	017	021	022	023	024
3 Series Miniature Circuit Breakers	3 Series RCBO	3 Series Switch Disconnectors	3 Series RCCB	9 Series Miniature Circuit Breakers	9 Series RCBO	9 Series Switch Disconnectors	Plug in Miniature Circuit Breakers	Distribution Boxes	Busbars	Modular Contactors	Time Relay	Surge Protective Devices

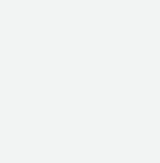
LOW-VOLTAGE DISTRIBUTION

025-058

				
027	049	054	056	058
Molded Case Circuit Breakers	Air Circuit Breakers	Automatic Transfer Switch Controllers	Switch Disconnectors	Fuses

POWER FACTOR CORRECTION

059-067

			
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068-099

			
070	086	088	090
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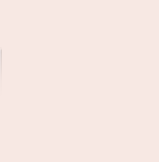
METERS

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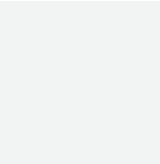
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107-117

	
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Single-phase Voltage Stabilizers	Three-phase Voltage Stabilizers

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158-215

										
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FINAL DISTRIBUTION



3 Series

3 Series Miniature Circuit Breakers



Rated current: 1-125A
Pole: 1P/1P+N/2P/3P/3P+N/4P
Breaking capacity: 6kA

003

3 Series RCBO



Rated current: 6A-63A
Pole: 1P+N/2P/3P/3P+N/4P
Breaking capacity: 6kA

005

3 Series RCCB & Switch Disconnectors



Rated current: 10A-100A
Pole: 2P/4P

Rated current: 20A-125A
Pole: 1P/2P/3P/4P

007-008

3 Series Accessories



009

9 Series

9 Series Miniature Circuit Breakers



Rated current: 1-63A
Pole: 1P/2P/3P/4P
Breaking capacity: 6kA, 10kA

010

9 Series RCBO



Rated current: 6A-63A
Pole: 1P+N/2P/3P/3P+N/4P
Breaking capacity: 6kA

012

9 Series Switch Disconnectors



Rated current: 32A-125A
Pole: 1P/2P/3P/4P

014

9 Series Accessories



015

FINAL DISTRIBUTION

HDBK Plug in Miniature Circuit Breakers **NEW**



HDBK

Rated current: 6-63A
Pole: 1P/2P/3P
Breaking capacity: 6kA, 10kA

016

HDPZ50 Consumer Boxes



HDPZ50

Rated current: 100A
Protection grade: IP30
Material: Full plastic/metal

017

HJXF Metal Enclosures



HJXF

Thickness: 1.0-1.5mm
Protection grade: IP43/IP54
Material: Metal

019

HBBT Comb Busbars



HBBT

Pole: 1P/2P/3P/4P
Material of busbar: E-CU-F25
Type: PIN-type/U-type

021

HDCH8S Modular Contactors



HDCH8S

Rated current: 16A-63A
Pole: 2P/3P/4P

022

HDJS18 Time Relays



HDJS18

Rated conventional thermal current: 10A
Control voltage: AC: 220V, 110V (customized), 380V (customized)
AC/DC: 24V
Time delay: 5s, 10s, 30s, 60s, 120s, 180s, 360s, 480s
Time-delay method: Switch-on delay, off delay

023

HDY3 Surge Protective Devices



HDY3

Type 2
Max discharge current:
20KA,40KA,65KA,80KA,120KA,160KA
Pole: 1P/1P+N/2P/3P/3P+N/4P

024

FINAL DISTRIBUTION

3 Series MCB

Standard: IEC/EN 60898-1



Range Presentation

HDB3w series is Himel 3 series range of Miniature Circuit Breakers designed to protect the power system from short circuit and overload faults.

3 series MCB is mainly used in commercial and residential buildings, including 18mm AC MCB, 27mm AC MCB, phase neutral MCB, and DC MCB.

Features

- ◆ Full product range: AC and DC MCB, from 1 to 125A
- ◆ MCB without or with indicator window (H series) to display tripping status.
- ◆ DPN: Phase neutral MCB in single pole
- ◆ Smart design: Complete range of accessories with convenient mounting hole
- ◆ HDB3w, HDB3wH: SNI (Indonesia)
- ◆ HDB3w, HDB3wH: PS MARK (Philippines)
- ◆ HDB3wH: SIRIM (Malaysia)
- ◆ HDB3wH, HDB3w-125: TSE (Turkey)

Selection Code

Range name	Breaking capacity	Number of poles	Tripping type	Rated current		
HDB3w	N	3	C	10		
HDB3w: MCB without indicator HDB3wH: MCB with indicator	N: 6kA	1: 1P 2: 2P 3: 3P 4: 4P 5: 1P+N 6: 3P+N	B: Type B C: Type C D: Type D	1: 1A 2: 2A 3: 3A 4: 4A 5: 5A	6: 6A 10: 10A 13: 13A 16: 16A 20: 20A	25: 25A 32: 32A 40: 40A 50: 50A 63: 63A
HDB3w125: 27mm MCB with indicator, up to 125A	N: 6kA H: 10KA	1: 1P 2: 2P 3: 3P 4: 4P	B: Type B C: Type C D: Type D	63: 63A 80: 80A 100: 100A 125: 125A		
HDB3wP: Phase Neutral MCB without indicator HDB3wHP: Phase Neutral MCB with indicator	N: 4.5kA (HDB3wP) Default: 4.5kA (HDB3wHP)	Default: all are 1P+N in single pole	C: Type C D: Type D	6: 6A 10: 10A 20: 20A	25: 25A 32: 32A 40: 40A	
HDB3wZ: DC MCB (Direct Current) without indicator	Default: 6kA (1P: 250V, 2/3P: 500V)	1: 1P 2: 2P 3: 3P	B: Type B C: Type C	1: 1A (Type C) 2: 2A (Type C) 3: 3A (Type C) 4: 4A (Type C) 5: 5A (Type C) 6: 6A 8: 8A 10: 10A	13: 13A 16: 16A 20: 20A 25: 25A 32: 32A 40: 40A 50: 50A 63: 63A	

Online Content



FINAL DISTRIBUTION

3 Series MCB

Standard: IEC/EN 60898-1



Technical Parameters						
MCB	HDB3w	HDB3wH	HDB3w-125	HDB3wP	HDB3wHP	HDB3wZ
Description	18mm Miniature Circuit Breaker without indicator	18mm Miniature Circuit Breaker with indicator	27mm Miniature Circuit Breaker with indicator	18mm Phase Neutral MCB without indicator	18mm Phase Neutral MCB with indicator	18mm DC MCB without indicator
Indication: red and green tripping indication window	No	Yes	Yes	No	Yes	No
Electrical characteristics						
Standard	IEC 60898-1		IEC 60947-2	IEC 60898-1		IEC60947-2
Certificate	CE, TUV, CB, ROHS		CE, CB, TUV, ROHS	CE, CB, TUV, ROHS		CE, CB, ROHS
Rated insulation voltage Ui	500V		500V	500V		500V
Frequency	50/60Hz		50/60Hz	50/60Hz		/
Rated operational voltage Ue	240 (1P, 1P+N) 415V (2P, 3P, 4P, 3P+N)		230V (1P) 400V (2P, 3P, 4P)	240V		DC 250V (1P) DC 500V (2P/3P)
Rated short-circuit capacity Icn	6kA		6kA 10kA	4.5kA		6kA
Rated impulse withstand voltage Uimp	4kV		4kV	4kV		4kV
Pollution class	2		2	2		2
Isolation function	Yes		Yes	Yes		Yes
Tripping characteristics	B, C, DType		B, C, DType	C, DType		B, CType
Mechanical characteristics						
Mechanical endurance	25000		8500 (In ≤ 100A) 7000 (In > 100A)	10000		20000
Electrical endurance	6000		1500 (In ≤ 100A) 1000 (In > 100A)	4000		3000
Protection class	IP40(Installed in DB box) IP20(Installed directly)		IP40 (Installed in DB box) IP20 (Installed directly)	IP40 (Installed in DB box) IP20 (Installed directly)		IP40 (Installed in DB box) IP20 (Installed directly)
Mechanical shock resistance	30g, 3 shocks, lasting 11ms		30g, 3 shocks, lasting 11ms	30g, 3 shocks, lasting 11ms		30g, 3 shocks, lasting 11ms
Rated ambient temperature	30℃		30℃	30℃		30℃
Operating ambient temperature	-20℃ ~ +60℃		-20℃ ~ +60℃	-20℃ ~ +60℃		-20℃ ~ +60℃
Storage temperature	-40℃ ~ +70℃		-40℃ ~ +70℃	-40℃ ~ +70℃		-40℃ ~ +70℃
Installation features						
Maximum wiring capacity	25mm²		50mm²	16mm²		25mm²
Maximum torque	2.5N.m		3.5N.m	1.5N.m		2.5N.m
Tool	Cross head screwdriver or flat head screwdriver		Cross head screwdriver or flat head screwdriver	Cross head screwdriver or flat head screwdriver		Cross head screwdriver or flat head screwdriver
Installation	35mm DIN rail		35mm DIN rail	35mm DIN rail		35mm DIN rail
Line incoming type	Top or bottom		Top or bottom	Top or bottom		Top or bottom

FINAL DISTRIBUTION

3 Series RCBO

Standard: IEC/EN 61009-1



Range Presentation

HDB3wLE series is the Himel 3 series range of Residual Current operated circuit breakers (RCBO) designed to protect people and power system from short circuit, overload faults and earth leakage.

3 series RCBO is mainly used in commercial and residential buildings including standard RCBO and phase neutral RCBO.

Selection Code

Range name	Breaking capacity	Number of poles	Tripping type	Rated current	Residual current	Over-voltage protection
HDB3wLE	N	1	C	6	R50	G
HDB3wLE: RCBO without indicator HDB3wHLE: RCBO with indicator	N: 6kA	1: 1P+N 2: 2P 3: 3P 4: 4P 6: 3P+N	C: Type C D: Type D	6: 6A 10: 10A 16: 16A 20: 20A 25: 25A 32: 32A 40: 40A 50: 50A 63: 63A	Default: 30mA R50: 50mA R75: 75mA R100: 100mA R300: 300mA	Default: NO G: Over-voltage protection
HDB3WLE125: RCBO with indicator, up to 125A	Default: 10kA	1: 1P+N 2: 2P 3: 3P 4: 4P 6: 3P+N	C: Type C D: Type D	63: 63A 80: 80A 100: 100A 125: 125A	Default: 30mA W: 50mA Q: 75mA Y: 100mA T: 300mA	Default: NO G: Over-voltage protection
HDB3wPLEY63: Phase netral RCBO without indicator HDB3wHPLE: Phase netral RCBO with indicator	Default: 4.5kA A: 3kA HDB3wHPLE only	Default: 1P+N	C: Type C D: Type D	6: 63A 10: 10A 16: 16A 20: 20A 32: 32A 40: 40A 50: 50A (PLEY63 only) 63: 63A (PLEY63 only)	Default: 30mA	Default: NO G: Over-voltage protection (Only HDB3wHPLE)

Online Content



HDB3wLE



HDB3wHLE



HDB3wLE-125



HDB3wPLEY63



HDB3wHPLE

FINAL DISTRIBUTION

3 Series RCBO

Standard: IEC/EN 61009-1



Technical Parameters					
RCBO	HDB3wLE	HDB3wHLE	HDB3wLE-125	HDB3wPLEY63	HDB3wHPLE
Indication: red and green tripping indication window	NO	Yes	Yes	NO	Yes
Electrical characteristics					
Standard	IEC 61009-1		IEC 60947-2	IEC 61009-1	IEC 61009-1
Certificate	CE, ROHS (2P, 3P, 4P)		CE, CB, ROHS	CE, CB,TUV, ROHS	CE, CB,TUV, ROHS
Rated insulation voltage Ui	500V		500V	500V	500V
Frequency	50/60Hz		50/60Hz	50/60Hz	50/60Hz
Rated operational voltage Ue	230 (1P+N, 2P) 400V (3P, 4P, 3P+N)		230 (1P+N, 2P) 400V (3P, 4P, 3P+N)	240V	240V
Rated short-circuit capacity Icn	6kA		10kA	4.5kA	3kA 4.5kA
Rated impulse withstand voltage Uimp	4kV		4kV	4kV	4kV
Pollution class	2		2	2	2
Tripping type	Thermal magnetic tripping				
Isolation function	YES		YES	YES	YES
Rated residual operating current In	30, 50, 75, 100, 300mA		30, 50, 75, 100, 300mA	30mA	30mA
Tripping characteristics	C, D Type		C, DType	C, DType	C, DType
Mechanical characteristics					
Mechanical endurance	25000		8500	4000	4000
Electrical endurance	6000		3000	4000	4000
Protection class	IP40 (Installed in DB box) IP20 (Installed directly)		IP40 (Installed in DB box) IP20 (Installed directly)	IP40 (Installed in DB box) IP20 (Installed directly)	IP40 (Installed in DB box) IP20 (Installed directly)
Mechanical shock resistance	30g, 3 shocks, lasting 11ms		30g, 3 shocks, lasting 11ms	30g, 3 shocks, lasting 11ms	30g, 3 shocks, lasting 11ms
Rated ambient temperature	30°C		30°C	30°C	30°C
Operating ambient temperature	-20°C ~ +60°C		-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C
Storage temperature	-40°C ~ +70°C		-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C
Installation features					
Maximum wiring capacity	Rated current 6~32A: 16mm² 40~63A: 25mm²		Rated current 50mm²	16mm²	16mm²
Maximum torque	Rated current 6~32A: 2N.m 40~63A: 2.5N.m		Rated current 3.5N.m	1.5N.m	1.5N.m
Tool	Cross head screwdriver or flat head screwdriver		Cross head screwdriver or flat head screwdriver	Cross head screwdriver or flat head screwdriver	Cross head screwdriver or flat head screwdriver
Installation	35mm DIN rail		35mm DIN rail	35mm DIN rail	35mm DIN rail
Line incoming type	Top		Top	Top	Top

FINAL DISTRIBUTION

3 Series Switch Disconnectors

Standard: IEC/EN 60947-3



Range Presentation

HDG3 is the Himel 3 series range of switch disconnector designed to switch on and off the power system.

The 3 series switch disconnector is mainly used in commercial and residential buildings.

Features

- ◆ Full product portfolio from 20A to 125A
- ◆ Suitable to industry application

Online Content



HDG3

Selection Code

Range name	Number of poles	Rated current
HDG3	3	32
HDG3	1: 1P 2: 2P 3: 3P 4: 4P	20: 20A 63: 63A 25: 25A 80: 80A 32: 32A 100: 100A 40: 40A 125: 125A 50: 50A

Technical Parameters	
Switch Disconnectors	HDG3
Electrical characteristics	
Standard	IEC 60947-3
Certificate	CE, CB, ROHS
Rated insulation voltage Ui	500V
Frequency	50/60Hz
Rated operational voltage Ue	230 (1P) 400V (2P, 3P, 4P)
Rated short-time withstand current Icw (kA)	20Ie/1s
Rated short-circuit making capacity Icm (kA)	28, 1Ie
Rated impulse withstand voltage Uimp	4kV
Pollution class	2
Isolation function	Yes
Mechanical characteristics	
Mechanical endurance	8500(≤100A) 7000(125A)
Electrical endurance	3000
Protection class	IP40 (Installed in DB box) IP20 (Installed directly)
Mechanical shock resistance	30g, 3 shocks, lasting 11ms
Rated ambient temperature	30°C
Operating ambient temperature	-20°C ~ +60°C
Storage temperature	-40°C ~ +70°C
Installation Features	
Maximum wiring capacity	25mm²
Maximum torque	2.5N.m
Installation	35mm DIN rail
Line incoming type	Top or bottom

FINAL DISTRIBUTION

3 Series RCCB

Standard: IEC/EN 61008-1



Range Presentation

HDB3VR is Himel 3 series range of Residual current circuit breaker(RCCB) designed to protect people and power system form earth leakage.

HDB3VR RCCB can be widely used in commercial and residential building.

Features

- ◆ Full range from 10A to 100A
- ◆ 4 Residual current sensitivity: 10mA, 30mA, 100mA, and 300mA
- ◆ Two types for application: AC type and A type
- ◆ HDB3VR: Safety mark (Singapore) TSE (Turkey)
- ◆ SNI (Indonesia)

Online Content



HDB3VR

Selection Code

Range name	Number of poles	Rated current	Residual current	Type
HDB3VR	2	10	L	C
HDB3VR : Electromagnetic Type RCCB	2: 2P 4: 4P	10: 10A 16: 16A 25: 25A 40: 40A 63: 63A 80: 80A 100: 100A	L: 10mA S: 30mA Y: 100mA T: 300mA	C: ACType A: AType

Technical Parameters	
RCCB	HDB3VR
Electrical characteristics	
Standard	IEC 61008-1
Certificate	CE, TUV, ROHS
Rated insulation voltage Ui	500V
Frequency	50/60Hz
Rated operational voltage Ue	240 (2P) 415V (4P)
Rated short-circuit capacity Icn	6kA
Rated impulse withstand voltage Uimp	4kV
Pollution class	2
Type	A , ACType
Isolation function	Yes
Rated residual operating current IΔn	10, 30, 100, 300mA
Mechanical characteristics	
Endurance	Mechanical endurance: 8500(≤100A) 7000(125A) Electrical endurance: 3000
Protection class	IP40 (Installed in DB box) IP20 (Installed directly)
Mechanical shock resistance	30g, 3 shocks, lasting 11ms
Rated ambient temperature	30°C
Operating ambient temperature	-20°C ~ +60°C
Storage temperature	-40°C ~ +70°C
Installation Features	
Maximum wiring capacity	25mm² (≤63A) 35mm² (> 63A)
Maximum torque	Rated current 6-32A: 2.5N.m Rated current 40-63A: 3N.m
Installation	35mm DIN rail
Line incoming type	Top or bottom

FINAL DISTRIBUTION

3 Series Accessories for MCB & RCBO

Standard: IEC/EN 60947

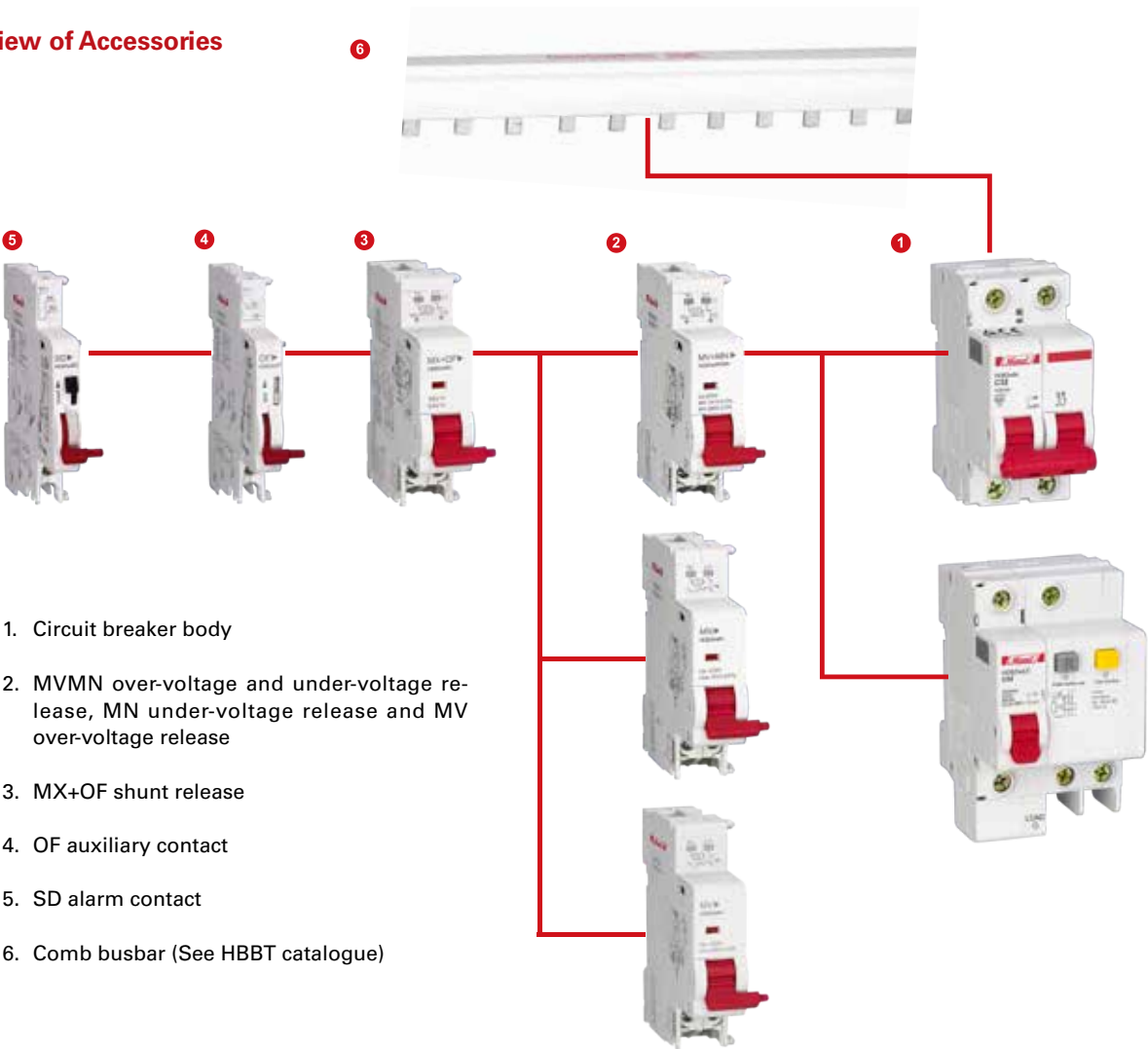


Compatible with HDB3w, HDB3wH, HDB3wP, HDB3wHP, HDB3wLE, HDB3wHLE, HDB3wPLEY63, HDB3wHPLE

Technical Parameters						
MCB Accessories	OF	SD	MO	MV	MN	MVMN
Description	Auxiliary contact	Alarm contact	Shunt release	Over-voltage release	Under-voltage release	Over-voltage and under-voltage release
Reference	HDB3wOF	HDB3wSD	HDB3wMO220 (AC 130-415V, DC 110-130V) HDB3wMO24 (AC/DC 24-48V)	HDB3wMV	HDB3wMN	HDB3wMVMN
Rated voltage	AC 240/415 DC 130V,48V,24V	AC 240/415 DC 130V,48V,24V	AC 130V~415V DC 110~130V AC/DC 24V-48V (AC/DC 24~48V)	AC 130V~415V DC 110~130V AC/DC 24V-48V	AC 240V	AC 240V
Wiring capacity	1~2.5mm²	1~2.5mm²	1~2.5mm²	1~2.5mm²	1~2.5mm²	1~2.5mm²
Width	9mm	9mm	18mm	18mm	18mm	18mm
Installation side of MCB	Left	Left	Left	Left	Left	Left
Max installation quantity	6	3	2	2	2	2

Remark: Maximum width of the accessory assembly is 54mm

Overview of Accessories



FINAL DISTRIBUTION

9 Series MCB

Standard: IEC/EN 60898-1



Range Presentation

HDB9 series is Himel 9 series range of Miniature Circuit Breakers designed to protect the power system from short circuit and overload. HDB9 is Himel most advanced range of miniature circuit breaker.

9 series MCB can be widely used in commercial and residential buildings including 18mm AC MCB, phase neutral MCB,and DC MCB.

Features

- ◆ Breaking capacity up to 10kA
- ◆ Energy limiting class 3
- ◆ Standard open and close state indication window
- ◆ High performance
- ◆ HDB9: SNI (Indonesia) SIRIM (Malaysia) TSE (Turkey) PS MARK (Philippines)

Selection Code

Range name	Breaking capacity	Number of poles	Tripping type	Rated current
HDB9	N63A	3	C	10
HDB9: MCB	N63A: 6kA H63A: 10kA	1: 1P 2: 2P 3: 3P 4: 4P 5: 1P+N 6: 3P+N	B: Type B C: Type C D: Type D	1: 1A 20: 20A 2: 2A 25: 25A 4: 4A 32: 32A 6: 6A 40: 40A 10: 10A 50: 50A 16: 16A 63: 63A
HDB9P: Phase Neutral MCB	a40: 4.5kA N40: 6kA	Default: all are 1P+N in single pole	C: Type C	6: 6A 10: 10A 16: 16A 20: 20A 32: 32A 40: 40A
HDB9Z: DC MCB (Direct Current)	63: 1P/2P 125V/250V(10kA) 1P/2P/4P 250V/500V/1000V (6kA)	1: 1P 2: 2P 4: 4P	B: BType C: CType	1: 1A 20: 20A 2: 2A 25: 25A 4: 4A 32: 32A 6: 6A 40: 40A 10: 10A 50: 50A 16: 16A 63: 63A

Online Content



HDB9



HDB9P



HDB9Z

9 Series MCB

Standard: IEC/EN 60898-1



Technical Parameters			
MCB	HDB9	HDB9P	HDB9Z
Description	18mm Miniature circuit breaker	18mm Phase neutral MCB	18mm DC miniature circuit breaker
Indication: red and green tripping indication window	Yes	Yes	Yes
Electrical characteristics			
Standard	IEC 60898-1	IEC 60898-1	IEC60947-2
Certificate	CE, KEMA, CB, ROHS	CE, CB,TUV, ROHS	CE, CB, SEMKO, ROHS
Rated insulation voltage Ui	500V	500V	1000V
Frequency	50/60Hz	50/60Hz	/
Rated operational voltage Ue	230 (1P, 1P+N) 400V(2P, 3P, 3P+N, 4P)	240V	DC 125V, 250V (1P) DC 250V, 500V (2P) DC 1000V (4P)
Rated short-circuit capacity Icn	6kA 10kA	6kA	10KA (125V/1P,250V/2P) 6kA (250V/1P, 500V/2P, 1000V/4P)
Rated impulse withstand voltage Uimp	4kV	4kV	6kV
Pollution class	2	2	2
Isolation function	Yes	Yes	Yes
Tripping characteristics	B, C, DType	CType	B, C, DType
Energy limiting class 3	B, CType	No	No
Mechanical characteristics			
Mechanical endurance	20000	20000	20000
Electrical endurance	10000	10000	3000
Protection class	IP40 (Installed in DB box) IP20 (Installed directly)	IP40 (Installed in DB box) IP20 (Installed directly)	IP40 (Installed in DB box) IP20 (Installed directly)
Mechanical shock resistance	30g, 3 shocks, lasting 11ms	30g, 3 shocks, lasting 11ms	30g, 3 shocks, lasting 11ms
Rated ambient temperature	30℃	30℃	30℃
Operating ambient temperature	- 30℃ ~ + 70℃	- 30℃ ~ + 70℃	- 30℃ ~ + 70℃
Storage temperature	- 40℃ ~ + 70℃	- 40℃ ~ + 70℃	- 40℃ ~ + 70℃
Installation Features			
Maximum wiring capacity	25mm²	16mm²	25mm²
Maximum torque	2.5N.m	1.5N.m	2.5N.m
Tool	Cross head screwdriver or flat head screwdriver	Cross head screwdriver or flat head screwdriver	Cross head screwdriver or flat head screwdriver
Installation	35mm DIN rail	35mm DIN rail	35mm DIN rail
Line incoming type	Top or bottom	Top or bottom	Top or bottom

9 Series RCBO

Standard: IEC/EN 61009-1



Range Presentation

HDB9LE series is Himel 9 series range of Residual current operated circuit breakers, designed to protect people and power system from short circuit, overload faults, earthlea kage.

9 series RCBO can be widely used in commercial and residential building, It includes electronic type and electromagnetic type (HDB9LM).

Selection Code

Range name Breaking capacity Number of poles Tripping type Rated current Residual current

HDB9LE	N63A	2	C	6	R50
HDB9LE: Electronic RCBO	N32A: 6kA for rating up to 32A N63A: 6kA for rating above 32A	1: 1P+N 2: 2P 3: 3P 4: 4P 6: 3P+N	C: Type C	6: 6A 10: 10A 16: 16A 20: 20A 25: 25A 32: 32A 40: 40A 50: 50A 63: 63A	S: 30mA Y: 100mA T: 300mA
HDB9LM: Electromagnetic RCBO	63: 6kA	5: 1P+N 6: 3P+N	C: Type C	6: 6A 10: 10A 16: 16A 20: 20A 25: 25A 32: 32A 40: 40A 50: 50A 63: 63A	S: 30mA T: 300mA
HDB9PLE: Phase Neutral RCBO	N: 6kA	Default: 1P+N	C: Type C	6: 6A 10: 10A 16: 16A 20: 20A 32: 32A 40: 40A	L: 10mA S: 30mA

Online Content



HDB9LE



HDB9LM



HDB9PLE

9 Series RCBO

Standard: IEC/EN 61009-1



Technical Parameters			
RCBO	HDB9LE	HDB9LM	HDB9PLE
Description	Electronic RCBO	Electromagnetic RCBO	Electronic phase neutral RCBO
Indication: red and green tripping indication window	Yes	Yes	Yes
Electrical characteristics			
Standard	IEC 61009-1	IEC 61009-1	IEC 61009-1
Certificate	CE, ROHS (2P, 3P, 4P)	CE, CB,TUV, RoHS	CE, CB,TUV, RoHS
Rated insulation voltage Ui	500V	500V	500V
Frequency	50/60Hz	50/60Hz	50/60Hz
Rated operational voltage Ue	230 (1P+N, 2P) 400V (3P, 4P, 3P+N)	230 (1P+N) 400V (3P+N)	240V
Rated short-circuit capacity Icn	6kA	6kA	6kA
Rated impulse withstand voltage Uimp	4kV	4kV	4kV
Pollution class	2	2	2
Tripping type	Thermal magnetic tripping	Thermal magnetic tripping	Thermal magnetic tripping
Isolation function	Yes	Yes	Yes
Rated residual operating current IΔn	30, 50, 75, 100, 300mA	30, 300mA	30mA
Tripping characteristics	C, DType	CType	C, DType
Mechanical characteristics			
Mechanical endurance	20000	20000	20000
Electrical endurance	10000	10000	4000
Protection class	IP40 (Installed in DB box) IP20 (Installed directly)	IP40 (Installed in DB box) IP20 (Installed directly)	IP40 (Installed in DB box) IP20 (Installed directly)
Mechanical shock resistance	30g, 3 shocks, lasting 11ms	30g, 3 shocks, lasting 11ms	30g, 3 shocks, lasting 11ms
Rated ambient temperature	30°C	30°C	30°C
Operating ambient temperature	-30°C ~ +70°C	-30°C ~ +70°C	-30°C ~ +70°C
Storage temperature	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C
Installation features			
Maximum wiring capacity	Rated current 6-32A: 16mm² Rated current 40-63A: 25mm²	25mm² (< 40A) 35mm² (≥ 40A)	16mm²
Maximum torque	Rated current 6-32A: 2N.m Rated current 40-63A: 2.5N.m	3N.m (< 40A) 3.5N.m (≥ 40A)	1.5N.m
Tool	Cross head screwdriver or flat head screwdriver	Cross head screwdriver or flat head screwdriver	Cross head screwdriver or flat head screwdriver
Installation	35mm DIN rail	35mm DIN rail	35mm DIN rail
Line incoming type	Top	Top	Top

9 Series Switch Disconnectors

Standard: IEC 60947-3



Range Presentation

HDG9 is Himel 9 series range of Switch disconnectors designed to switch on and off the power system.

9 series switch disconnector is mainly used in commercial and residential buildings.

Features

- ◆ Rated current up to 125A
- ◆ High performance

Online Content



HDG9

Selection Code

Range name	Frame	Number of poles	Rated current
HDG9	125	3	32
HDG9	125	1: 1P 2: 2P 3: 3P 4: 4P	32: 32A 63: 63A 100: 100A 125: 125A

Technical Parameters	
Switch Disconnectors	HDG9
Electrical characteristics	
Standard	IEC 60947-3
Certificate	CE, CB, TUV, ROHS
Rated insulation voltage Ui	500V
Frequency	50/60Hz
Rated operational voltage Ue	230V (1P) 400V (2P, 3P, 4P)
Rated short-time withstand current Icw	20Ie/1s
Rated short-circuit making capacity Icm	28,1Ie
Rated impulse withstand voltage Uimp	4kV
Pollution class	2
Isolation function	Yes
Mechanical characteristics	
Mechanical endurance	50000
Electrical endurance	30000 (32A) 20000 (63A) 10000 (100A) 2500 (125A)
Protection class	IP40 (Installed in DB box) IP20 (Installed directly)
Mechanical shock resistance	30g, 3 shocks, lasting 11ms
Rated ambient temperature	30°C
Operating ambient temperature	-30°C ~ +70°C
Storage temperature	-40°C ~ +70°C
Installation Features	
Maximum wiring capacity	50mm²
Maximum torque	3.5N.m
Installation	35mm DIN rail
Line incoming type	Top or bottom

FINAL DISTRIBUTION

9 Series Accessories

Standard: IEC/EN 60947



Compatible with HDB9, HDB9P, HDB9LE, HDB9PLE

Technical Parameters						
MCB Accessories	OF	SD	MX	MV	MN	MVMN
Description	Auxiliary contact	Alarm contact	Shunt release	Over-voltage release	Under-voltage release	Over-voltage and under-voltage release
Reference	HDB963OF	HDB963SD	HDB963MX24 (AC/DC 12~24V) HDB963MX48 (AC/DC 48V) HDB963MX415 (AC 100~415V, DC 110~130V)	HDB9MV	HDB9MN	HDB9MVMN
Standard	IEC 60947-5-1	IEC 60947-5-1	IEC 60947-1	IEC 60947-2	IEC 60947-2	IEC 60947-2
Rated voltage	AC 240/415 DC130V, 48V, 24V	AC 240/415 DC 130V, 48V, 24V	AC 100-415V DC 110V-130V AC/DC 12/24/48V	AC 100-415V DC 110V-130V AC/DC 12/24/48V	240V	240V
Wiring capacity	1-2.5mm²	1-2.5mm²	1-2.5mm²	1-2.5mm²	1-2.5mm²	1-2.5mm²
Width	9mm	9mm	18mm	18mm	18mm	18mm
Installation side of MCB	Left	Left	Left	Left	Left	Left
Max installation quantity (From left to right)	3	3	2	2	2	2

Remark: The total width of the accessory assembly is within 54mm

Overview of Accessories

Sketch map of installation with breaker



SD

+



OF

+



MX+OF

+



FINAL DISTRIBUTION

HDBK Plug in MCB

Standard: IEC/EN 60898-1



Range Presentation

HDBK series is Himel plug in MCB designed to protect power system from short circuit, overload faults.

HDBK can be used with NEMA load center.

Features

- ◆ Plug in installation
- ◆ Breaking capacity: up to 10kA

Online Content



HDBK

Selection Code

Range name	Number of poles	Tripping type	Rated current
HDBK	3	C	10
HDBK: Plug in MCB	1: 1P 2: 2P 3: 3P	C: Type C	6: 6A 32: 32A 10: 10A 40: 40A 16: 16A 50: 50A 20: 20A 63: 63A 25: 25A

Technical Parameters	
Plug in MCB	HDBK
Electrical features	
Rated current In(A)	6, 10, 16, 20, 25, 32, 40, 50, 63
Pole(P)	1, 2, 3
Rated voltage Ue(V)	AC 240/415
Insulation voltage Ui(V)	500
Rated frequency(Hz)	50/60
Rated breaking capacity(A)	6000 (AC 240/415V) 10000 (AC 120V)
Rated impulse withstand voltage(1.2/50)Uimp(V)	4000
Pollution degree	2
Thermo-magnetic trip characteristic	C
Mechanical features	
Electrical durability(t)	4000
Mechanical durability(t)	10000
Protection degree(V)	IP20
Reference temperature for setting of thermal element(V)	50
Ambient temperature(with daily average≤35°C)	15~+60
Storage temperature(°C)	-25~+70
Installation	
Terminal size for cable(mm²)	25
Torque(N.m)	2
Mounting	Plug in
Connection	Top

FINAL DISTRIBUTION

HDPZ50 Consumer Boxes

Standard: IEC/EN 60670



Range Presentation

HDPZ50 series is Himel Distribution Box designed to be used with Himel MCB, RCBO, RCCB and surge protection device.

Distribution box can be widely used in commercial and residential building.

Features

- ◆ Multiple material selection: full plastic, metal box and plastic cover
- ◆ Multiple installation: surface installation, flush installation
- ◆ IP30 protection grade
- ◆ Fire-retardancy option is available

Online Content



HDPZ50

Selection code of Metal Box&Plastic cover DB

Range name	Installation	Number of ways
HDPZ50	M	4
HDPZ50	M: Surface installation R: Flush installation	6: 6 ways 8: 8 ways 12: 12 ways 16: 16 ways 20: 20 ways 24: 24 ways

Selection code of full plastic DB

Range name	Installation	Number of ways	IP Grade	Fire-retardancy
HDPZ50P	M	4	IP30	NF
HDPZ50P	M: Surface installation R: Flush installation	4: 4 ways 6: 6 ways 8: 8 ways 12: 12 ways 15: 15 ways 18: 18 ways 24: 24 ways 36: 36 ways	Default: IP30 for non fire-retardancy IP30:IP30 protection grade for fire-retardancy	F: Fire-retardancy NF: Non fire-retardancy

2 Pole MCB Plastic cover is available on demand

Technical Parameters		
Consumer Boxes	HDPZ50	HDPZ50P
Material	Box: Metal, Cover: Plastic	Full Plastic
Fire-resistancy	Fire-resistant	Optional
Protection grade	IP30	IP30
Rated operation voltage	230/400V	230/400V
Rated insulated voltage	500V	500V
Rated operating current	100A	100A
Withstand current	6kA	6kA

FINAL DISTRIBUTION

HDPZ50 Consumer Boxes

Standard: IEC/EN 60670

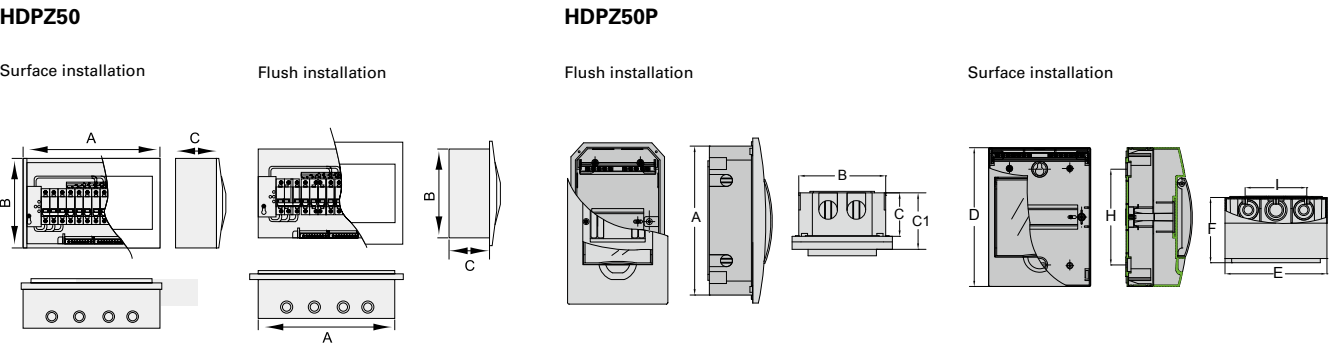
Overall Dimensions

HDPZ50					Unit: mm
Metal Box & Plastic	Surface Installation		Flush Installation		Thickness
	A	B	A	B	C
6	170	222	163	200	90
8	206	222	199	200	90
12	279	222	272	200	90
16	350	222	343	200	90
20	419	222	413	200	90
24	309	390	282	364	90

HDPZ50P

Unit: mm

Full Plastic Loop Number	Dimension for Flush Installation				Dimension for Surface Installation				
	Height	Width	Thickness		Height	Width	Thickness	Installation Dimension	
	A	B	C	C1	D	E	F	H	I
4	200	114	61	78	200	111	91	144	-
6	200	150	61	78	200	148	96	144	-
8	200	186	61	78	200	184	96	144	-
12	200	258	61	78	200	256	96	144	-
15	200	312	61	78	200	310	96	144	-
18	215	365	61	78	220	362	96	156	290
24	310	258	68	88	326	270	96	230	207
36	440	258	68	88	460	270	96	385	207



FINAL DISTRIBUTION

HJXF Metal Enclosures

Standard: IEC/EN 60529



Range Presentation

HJXF is Himel Metal enclosure designed to be used with Himel MCB, RCBO, RCCB and surge protection device.

HJXF can be widely used in commercial and residential building.

Features

- ◆ Multiple protection grade: IP43, IP54

Online Content



HJXF

Selection Code

Range name	Height	Width	Depth	Protection grade
HJXF	25	20	14	B
HJXF: Metal Enclosure	25: 250	20: 200	14: 140	B: IP 43
	30: 200	25: 250	16: 160	Q: IP 54
	40: 400	30: 300	18: 180	
	50: 500	40: 400	20: 200	
	60: 600	50: 500	25: 250	
	70: 700	60: 600	30: 300	
	80: 800	80: 800		
	100: 1000			

Available combination see below

Order Information

Type	Thickness	Dimension (mm)								Lock	Reference
		Overall			Installation		Mounting				
		H	W	D	H1	B1	H6	B6	Thick		
HJXF - 2520/14 IP43 Improved	1.0	250	200	140	295	128	130	128	1.0	1	HJXF252014B
HJXF - 3025/14 IP43 Improved	1.0	300	250	140	345	178	180	178	1.0	1	HJXF302514B
HJXF - 3025/18 IP43 Improved	1.0	300	250	180	345	178	180	178	1.0	1	HJXF302518B
HJXF - 3030/14 IP43 Improved	1.0	300	300	140	345	228	180	228	1.0	1	HJXF303014B
HJXF - 3030/18 IP43 Improved	1.0	300	300	180	345	228	180	228	1.0	1	HJXF303018B
HJXF - 4030/14 IP43 Improved	1.0	400	300	140	445	228	280	228	1.0	1	HJXF403014B
HJXF - 4030/20 IP43 Improved	1.0	400	300	200	445	228	280	228	1.0	1	HJXF403020B
HJXF - 5040/14 IP43 Improved	1.0	500	400	140	545	328	380	328	1.0	2	HJXF504014B
HJXF - 5040/20 IP43 Improved	1.0	500	400	200	545	328	380	328	1.0	2	HJXF504020B
HJXF - 5040/25 IP43 Improved	1.0	500	400	250	545	328	380	328	1.0	2	HJXF504025B
HJXF - 6040/14 IP43 Improved	1.2	600	400	140	645	328	480	328	1.2	2	HJXF604014B
HJXF - 6040/20 IP43 Improved	1.2	600	400	200	645	328	480	328	1.2	2	HJXF604020B
HJXF - 6040/25 IP43 Improved	1.2	600	400	250	645	328	480	328	1.2	2	HJXF604025B
HJXF - 6050/14 IP43 Improved	1.2	600	500	140	645	428	480	428	1.2	2	HJXF605014B
HJXF - 6050/20 IP43 Improved	1.2	600	500	200	645	428	480	428	1.2	2	HJXF605020B
HJXF - 6050/25 IP43 Improved	1.2	600	500	250	645	428	480	428	1.2	2	HJXF605025B
HJXF - 7050/16 IP43 Improved	1.2	700	500	160	745	428	580	428	1.2	2	HJXF705016B
HJXF - 7050/20 IP43 Improved	1.2	700	500	200	745	428	580	428	1.2	2	HJXF705020B
HJXF - 7050/25 IP43 Improved	1.2	700	500	250	745	428	580	428	1.2	2	HJXF705025B
HJXF - 8060/20 IP43 Improved	1.5	800	600	200	845	528	680	528	1.5	2	HJXF806020B
HJXF - 8060/25 IP43 Improved	1.5	800	600	250	845	528	680	528	1.5	2	HJXF806025B
HJXF - 10080/20 IP43 Improved	1.5	1000	800	200	1045	728	880	728	1.5	2	HJXF1008020B
HJXF - 10080/25 IP43 Improved	1.5	1000	800	250	1045	728	880	728	1.5	2	HJXF1008025B
HJXF - 10080/30 IP43 Improved	1.5	1000	800	300	1045	728	880	728	1.5	2	HJXF1008030B

FINAL DISTRIBUTION

HJXF Metal Enclosures

Standard: IEC/EN 60529

Order Information

Type	Thickness	Dimension (mm)								Lock	Reference
		Overall			Installation		Mounting				
		H	W	D	H1	B1	H6	B6	Thick		
HJXF - 2520/14 IP54	1.2	250	200	140	310	150	172	122	2.0	1	HJXF252014Q
HJXF - 3025/14 IP54	1.2	300	250	140	360	200	222	172	2.0	1	HJXF302514Q
HJXF - 3025/18 IP54	1.2	300	250	180	360	265	222	172	2.0	1	HJXF302518Q
HJXF - 3030/14 IP54	1.2	300	300	140	360	265	222	222	2.0	1	HJXF303014Q
HJXF - 3030/18 IP54	1.2	300	300	180	360	265	222	222	2.0	1	HJXF303018Q
HJXF - 4030/14 IP54	1.2	400	300	140	460	365	322	222	2.0	1	HJXF403014Q
HJXF - 4030/20 IP54	1.2	400	300	200	460	365	322	222	2.0	1	HJXF403020Q
HJXF - 5040/14 IP54	1.2	500	400	140	560	465	422	322	2.0	2	HJXF504014Q
HJXF - 5040/20 IP54	1.2	500	400	200	560	465	422	322	2.0	2	HJXF504020Q
HJXF - 5040/25 IP54	1.2	500	400	250	560	465	422	322	2.0	2	HJXF504025Q
HJXF - 6040/14 IP54	1.5	600	400	140	660	565	522	322	2.0	2	HJXF604014Q
HJXF - 6040/20 IP54	1.5	600	400	200	660	565	522	322	2.0	2	HJXF604020Q
HJXF - 6040/25 IP54	1.5	600	400	250	660	565	522	322	2.0	2	HJXF604025Q
HJXF - 6050/14 IP54	1.5	600	500	140	660	565	522	422	2.0	2	HJXF605014Q
HJXF - 6050/20 IP54	1.5	600	500	200	660	565	522	422	2.0	2	HJXF605020Q
HJXF - 6050/25 IP54	1.5	600	500	250	660	565	522	422	2.0	2	HJXF605025Q
HJXF - 7050/16 IP54	1.5	700	500	160	760	665	622	422	2.0	2	HJXF705016Q
HJXF - 7050/20 IP54	1.5	700	500	200	760	665	622	422	2.0	2	HJXF705020Q
HJXF - 7050/25 IP54	1.5	700	500	250	760	665	622	422	2.0	2	HJXF705025Q
HJXF - 8060/20 IP54	1.5	800	600	200	860	765	722	522	2.0	2	HJXF806020Q
HJXF - 8060/25 IP54	1.5	800	600	250	860	765	722	522	2.0	2	HJXF806025Q
HJXF - 10080/20 IP54	1.5	1000	800	200	1060	965	922	722	2.0	2	HJXF1008020Q
HJXF - 10080/25 IP54	1.5	1000	800	250	1060	965	922	722	2.0	2	HJXF1008025Q
HJXF - 10080/30 IP54	1.5	1000	800	300	1060	965	922	722	2.0	2	HJXF1008030Q

Technical Parameters	
Metal Enclosures	HJXF
Protection grade	IP43, IP54
Standard	IEC/EN60529
Sheet thickness	1.0 -1.5mm
Mounting plate thickness	1.0 -1.5mm
Hinge	Enhanced
Sealing rubber gasket	Black rubber gasket
Cable gland	Bottom only

FINAL DISTRIBUTION

HBBT Comb Busbars

Standard: IEC/EN 60439



Range Presentation

HBBT is compactible with both 3 series and 9 series

Features

- ◆ 2 connection options: PIN or U type
- ◆ 2 PIN thickness options: 1.2mm and 1.5mm

Online Content



HBBT

Selection Code

Range name	Number of poles	Max current	Thickness of pin	Type of terminal
HBBT	1P	40A	12	P
HBBT	1P: 1 pole 2P: 2 Poles 3P: 3 Poles 4P: 4 Poles	40A: 40A 63A: 63A 75A: 75A 80A: 80A 85A: 85A	12: 1.2mm 15: 1.5mm	P: Pin type F: U type

Technical Parameters	
Comb Busbars	HBBT
Material of busbar	E-CU-F25
Material of insulation	PVC
Short-circuit strength	50kA
Nominal voltage	415V
Operating voltage	Max 500V
Surge voltage	4kV
Standard length	1m

FINAL DISTRIBUTION

HDCH8S Modular Contactors

Standard: IEC 61095



Range Presentation

HDCH8S is Himel modular contactor designed to switch on and switch off lighting or other equipments, can be widely used in commercial and residential building.

Features

- ◆ Multi-Selection for main contacts
- ◆ Full range from 16A to 63A

Online Content



HDCH8S

Selection Code

Range name	Current	Number of poles	Contacts
HDCH8S	16	3	20
HDCH8S	16: 16A 20: 20A 25: 25A 40: 40A 63: 63A	2: 2P 3: 3P 4: 4P	20: 2NO (2P) 02: 2NC (2P) 11: 1NO 1NC (2P) 30: 3NO (3P) 03: 3NC (3P) 21: 2NO 1NC (3P) 12: 1NO 2NC (3P) 40: 4NO (4P) 04: 4NC (4P) 22: 2NO 2NC (4P) 31: 3NO 1NC (4P)

Technical Parameters							
Modular Contactors			HDCH8S				
Type			16A	20A	25A	40A	63A
Standard			IEC 61095				
Certificate			CE, CB				
Rated current In(A)	AC-7a		16	20	25	40	63
	AC-7b		6	7	8.5	15	20
Conventional free air thermal current Ith (A)			25	25	25	63	63
Rated insulation voltage ui (V)			500				
Rated voltage ue (V)			250 400				
Rated impulse withstand voltage uimp (V)			4kV				
Ambient temperature			-5℃~ 60℃				
Making and breaking capacity (AC-7a)			1.05Ie				
Main contacts	2P		1NO1NC, 2NO, 2NC				
	3P		3NO, 3NC, 2NO1NC, 1NO2NC				
	4P		2NO2NC, 3NO1NC, 4NO, 4NC				
Controlled power (kW)	AC-7a	250V	3.5	4.5	5.5	9	14
		400V	6.5	8	10	16	25
	AC-7b	250V	1.4	1.6	2	3.5	4.5
		400V	2.4	2.8	3.4	6	8
Operation frequency		times	≥30000				
Operation frequency /1h (AC-7a)			360				
Coil voltage Us (V)			AC24V AC220-240V 50/60Hz				
IP grade			IP20				
Wiring Ability (mm²)	Control circuit	Hard wire	1.5-2.5 mm²			2×1.5mm²	
		Soft wire	1.5-2.5 mm²			2×2.5mm²	
	Main circuit	Hard wire	1.5-6mm²			6-25mm²	
		Soft wire	1-4 mm²			6-16mm²	

FINAL DISTRIBUTION

HDJS18 Time Relays

IEC 60947-5



Range Presentation

HDJS18 is Himel range of Time Relay and it provides:

- Switch-off Delay
- Switch-on Delay
- Interval Delay

It is widely used for staircase lamps on automatic switch-off control according to scheduled time.

Features

- ◆ Small size;
- ◆ Elegant appearance;
- ◆ High accuracy of time delay;
- ◆ High capacity of contacts;
- ◆ Strong anti-interference ability;
- ◆ Easy for installation.

Online Content



HDJS18

Selection Code

Model	Time-delay type	Time delay	Control voltage	Voltage type
HDJS18	A	10S	220	AD
HDJS18: Product name	Default: interval delay A: off delay B: switch-on delay	10S: 1-10s 120S: 12-120s 480S: 48-480s	220: 220V 24: 24V	Default: AC AD: AC/DC

Technical Parameters	
Time Relays	HDJS18
Rated conventional thermal current Ith (A)	
10	
AC-15	Ue (V)
	380/240
	Ie (A)
	1.9/3
DC-13	Ue (V)
	24
	Ie (A)
	1.1
Control voltage Us (V)	
AC: 220, 110 (customized), 380 (customized)	
Repetitive error	
AC/DC: 24	
Time delay	
≤5%	
Mechanical durability (time)	
5s, 10s, 30s, 60s, 120s, 180s, 360s, 480s	
Electrical durability (time)	
≥1 million	
Time-delay method	
≥100 thousand	
Standard	
Switch-on delay, off delay, interval delay	
Ambient temperature	
IEC 60947-5	
Range of operating control voltage	
-5℃~+40℃	
Altitude	
85%~110% Us	
Installation category	
≤2000m	
Pollution class	
II	
3	

FINAL DISTRIBUTION

HDY3 Surge Protective Devices

Standard: IEC 61643-1



Range Presentation

HDY3 is Himel Surge Protective Device designed to protect electric installations and sensitive equipment against indirect surges . It is characterized by its capacity to safely discharge current with 8/20 μs wave form.

HDY3 can be widely used in commercial and residential building.

Features

- ◆ Full range from 20kA to 160kA
- ◆ Remote signaling

Online Content



HDY3

Selection Code

Range name	Max discharge of current	Number of poles	Max continuous voltage	Accessories
HDY3	60	3	275	YX
HDY3	20: 20kA 40: 40kA 65: 65kA 80: 80kA 120: 120kA 160: 160kA	1: 1P 2: 2P 3: 3P 4: 4P 5: 1P+N 6: 3P+N	Default: AC 385V 275: AC 275V 440: AC 440V	YX: Remote signaling Default: No remote signaling

Technical Parameters	
Surge Protective Devices	
Nominal discharge current In(kA)	HDY3-20: 10HDY3-40: 20HDY3-65: 30HDY3-80: 40HDY3-120: 60HDY3-160: 80
Maximum discharge current Imax(kA)	HDY3-20: 20HDY3-40: 40HDY3-65: 65HDY3-80: 80HDY3-120: 120HDY3-160: 160
Maximum allowable backup fuse strength(A gL)	HDY3-20: 50HDY3-40: 100HDY3-65: 125HDY3-80: 160HDY3-120: 200HDY3-160: 250
Maximum continuous operating voltage Uc(V)	HDY3-20: 275, 340, 385, 440HDY3-40: 275, 340, 385, 440HDY3-65: 275, 340, 385, 440HDY3-80: 275, 340, 385, 440HDY3-120: 275, 340, 385, 440HDY3-160: 275, 340, 385, 440
Protection level Up(kV)	HDY3-20: 1.3, 1.5, 1.6, 1.8HDY3-40: 1.5, 1.7, 1.8, 2.0HDY3-65: 1.6, 1.8, 2.0, 2.2HDY3-80: 1.8, 2.0, 2.2, 2.2HDY3-120: 2.2, 2.4, 2.5, 3.5HDY3-160: 2.3, 3.7, 3.7, 2.8
Leakage current 75%Uc 1mA(μA)	≤20
Response time(ns)	≤25
Wave form(μs)	8 / 20
Product structure	Plug-in
Type	II
Poles	1P, 2P, 3P, 4P, 1P+ N, 3P+ N
Operating state indicator	Available (green: normal; red: fault)
Terminal wiring capacity	Minimum 4mm ² for copper wire, maximum: 36mm ² for single strand, 25mm ² for multi-strand
Conformance standard	IEC61643 -1
Installation	Installed on standard DIN guide rail(35mm)
Maximum ultimate torque	35N.m
Optional accessories	Available (YX remote signaling)

LOW VOLTAGE DISTRIBUTION



HDM3 Molded Case Circuit Breakers



HDM3
Rated current : 10-1600A
Pole: 3P/4P

027

HDM3STM Adjustable Molded Case Circuit Breaker

NEW



HDM3S
Rated current : 25-630A
Pole: 3P/4P

041

HDM3E Electronic Circuit Breakers



HDM3E
Rated current : 125-1600A
Pole: 3P/4P

027

HDM2 Molded Case Circuit Breakers



HDM2
Rated current: 10-125A
Pole: 1P/2P

047

HDM3L Earth-Leakage Circuit Breakers



HDM3L
Rated current : 16-630A
Pole: 3P/4P

027

HDM2L Earth-leakage Circuit Breaker

NEW



HDM2L
Rated current : 16-250A
Pole: 2P
Adjustable residual current protection
Adjustable time delay

048

LOW VOLTAGE DISTRIBUTION

HDW3 Air Circuit Breakers



HDW3
Rated current : 400A-6300A
Pole: 3P/4P
3 types of intelligent controllers

049

HDGL Switch Disconnectors



HDGL
Rated current: 16-3150A
Pole: 3P/4P

056

ATSE Automatic transfer switch controllers



ATSE
3 kinds of power interlock available

053

HRT Fuse



HRT16
Rated current: 2-630A
Rated voltage:
AC 500/690V ; DC 250/440V
Rated breaking capacity:
120kA (500V), 50kA (690V)



HRT18
Rated current: 2-63A
Rated voltage: AC 380V-500V
Rated breaking capacity: 100kA

058

HDQ3HB Automatic Transfer Switch

NEW



HDQ3HB
5 frame sizes: 63, 100, 250, 400, 630AF
Rated current I_n (A): 16 - 630A
Rated voltage AC U_e (V): 400/415, Poles: 3 & 4
Integrated or split intelligent controllor

054

3 Series MCCB



Range Presentation

HDM3 is Himel 3 series range of molded case circuit breakers with fixed thermal magnetic trip unit, providing line protection and motor protection, up to 1600A.

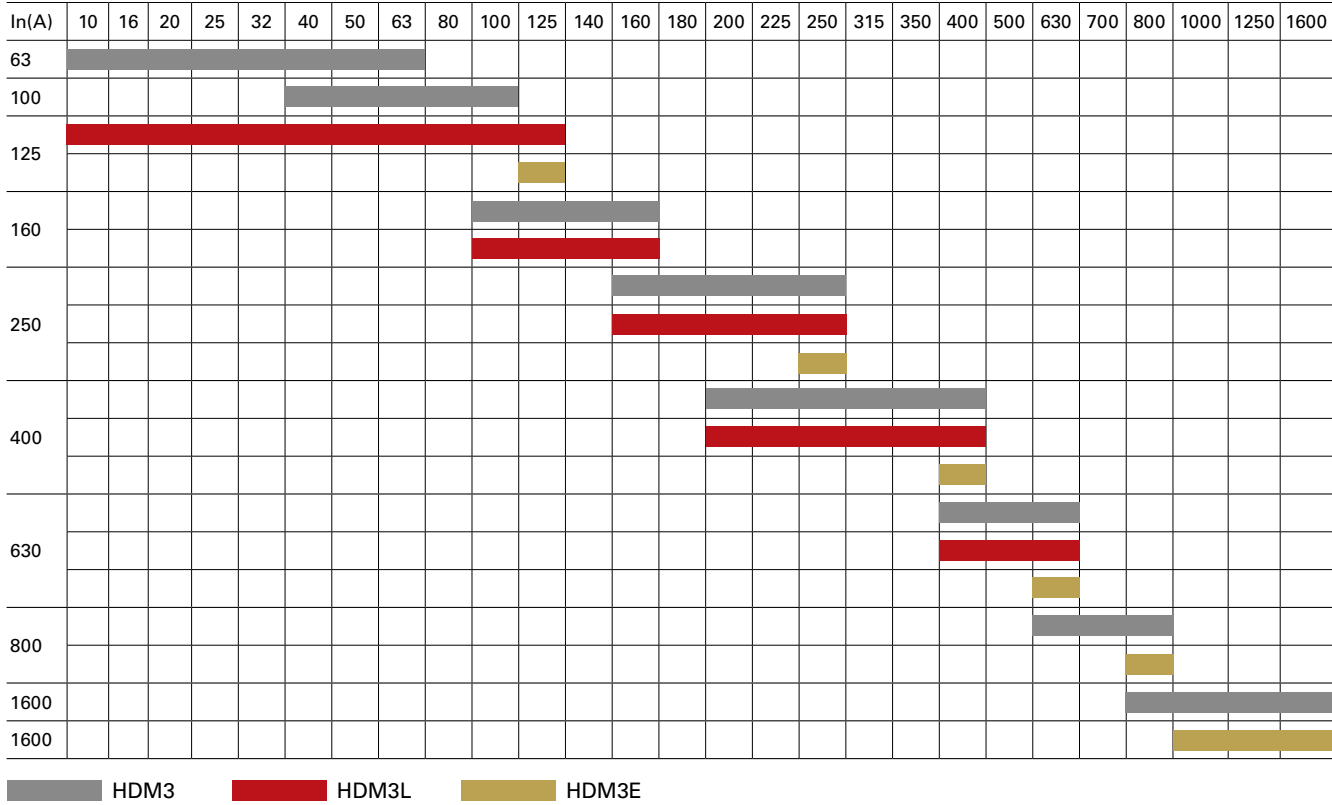
HDM3E is Himel 3 series range of MCCB with electronic type trip unit, providing LSI protection, up to 1600A.

HDM3L is Himel 3 series range of earth leakage MCCB, providing protection against residual current, up to 630A.

Features

- Easy Installation and Safe Operation**
- ◆ Double-deck cover design assures easy installation and removal of accessories.
- High Performance**
- ◆ Patented design ensures quick extinguishing of arc.
 - ◆ Suitable for wide environment conditions, max. -40°C ~+70°C

Range Presentation



Online Content



3 Series MCCB



Selection Guide

Range Name	Frame Size	Breaking apacity (Icu/Ics)	Rated current	Poles	Protection
HDM3	250	L	250	3	3XX
HDM3 MCCB	63: 63A	L: 18/18kA S: 25/18kA	10,16,20,25,32, 40,50,63A	3: 3P B*: 4P	2XX2: Mag only motor protection 3XX: Mag-Therma line protection
	100: 100A	L: 18/18kA S: 25/18kA T: 36/36kA N: 50/30KA	40,50,63,80,100A		
	160: 160A	L: 21/21kA S: 35/21kA T: 36/36kA N: 60/36KA	100,125,140,160A		
	250: 250A	L: 21/21kA S: 35/21kA T: 36/36kA N: 60/36KA	160,180,200, 225,250A		
	400: 400A	F: 50/30 T: 39/39kA N: 70/39kA	200,225,250,315, 350,400A		
	630: 630A	F: 50/30kA T: 39/39kA N: 70/39kA	400,500,630A		
	800: 800A	M: 40/40kA F: 70/40kA	500,630,700,800A		
	1600: 1600A	N: 70/50kA	800,1000,1250,1600A		
HDM3E Electronic type MCCB	125: 125A	M: 50/50kA	125: 125A	3: 3P C*: 4P	3XX: Electronic tripping, line protection
	250: 250A		250: 250A		
	400: 400A		400: 400A		
	630: 630A		630: 630A		
	800: 800A		800: 800A		

3 Series MCCB



Earth Leakage MCCB Selection Code

Series Name	Frame Size	Breaking capacity	Rated current	Poles	Trip unit and Protection	Residual current	Time delay
HDM3L	25	S	250	3	3X0	A	1
HDM3L	12: 125A	F:50/30kA	16,20,25,32,40,50,63, 80,100,125A	3: 3P B*: 4P	3X0: line protection	A: 30/100/300 B: 100/300/500 C: 300/500/1000	0: No delay 1: 0.1/0.2/0.3s 2: 0.4/0.5/1s 3: 0.1/0.3/0.5s
	16: 160A		100,125,140,160A				
	25: 250A		160,180, 200, 225,250 A				
	40: 400A	F: 70/42kA	200,225,250,315, 350,400				
	63: 630A	F: 70/40kA	400,500,630A				

1600A HDM3E MCCB Selection Code

Series Name	Frame size	Breaking Capacity	Rated current	Poles	Trip unit	MCH +XF	MX	MN	Controller
HDM3E	16	M	16	3	F	5	5	5	L
HDM3E	16 : 1600A	M: 50/50kA	10: 1000A 12: 1250A 16: 1600A	3: 3P 4: 4P	F: Fixed front connection	5: Without MCH+XF N: AC230V V: AV400V D: DC220V	5: Without Shunt release N: AC230V V: AV400V D: DC220V	5: Without undervoltage release N: AC230V V: AV400V	L: iTR326

Note:
B: The N phase is equipped with contacts, but without protection. It closes earlier and opens later than the other 3 poles.
C: The N phase is equipped with contacts, and with protection. It closes earlier and opens later than the other 3 poles.
"T" is thermal trip calibrated in 50 degree. please contact with HIMEL local office, if you required.

3 Series MCCB



Technical Parameters																									
MCCB		HDM3-63		HDM3-100				HDM3-160				HDM3-250				HDM3-400			HDM3-630			HDM3-800		HDM3-1250	
Rated Voltage Ue(V)		400/415																							
Rated insulation Voltage Ui(V)		690		800				800				800				800			800			800		800	
Rated impulse withstand voltage Uimp(kV)		6		8				8				8				8			8			8		8	
Rated frequency(Hz)		50/60																							
Rated current In(A)		10-63		40-100				100-160				160-250				200-400			400-630			630-800		800-1250	
Number of poles		3/4																				3			
Use Category		A																							
Breaking capacity	Breaking Class	L	S	L	S	T	N	L	S	T	N	L	S	T	N	F	T	N	F	T	N	M	F	N	
	Icu(kA) 400/415V AC	18	25	18	25	30	50	21	35	36	60	21	35	36	60	50	39	70	50	39	70	40	70	85	
	Ics(kA) 400/415V AC	18	18	18	18	30	30	21	21	36	36	21	21	36	36	30	39	39	30	39	39	40	40	45	
Mechanical life		20000		20000				20000				20000				10000			10000			5000		5000	
Electrical life	AC 400/415V	8000		8000				8000				8000				7500			7500			2500		2500	
Power distribution protection	Thermal magnetic trip unit	■		■				■				■				■			■			■		■	
Motor protection	Magnetic trip unit	■		■				■				■				■			■			-		-	
Isolation function		■		■				■				■				■			■			■		■	
Certification		TUV, CE		TUV, CE		KEMA, CE		KEMA, CE				KEMA, CE				KEMA, CE			KEMA, CE			KEMA, CE		TUV-CB	

Technical Parameters							
Electronic type MCCB		HDM3E-125	HDM3E-250	HDM3E-400	HDM3E-630	HDM3E-800	HDM3E-1600
Rated Voltage Ue(V)		400/415					
Rated insulation Voltage Ui(V)		800	800	800	800	1000	1000
Rated impulse withstand voltage Uimp(kV)		8	8	8	8	12	12
Rated frequency(Hz)		50/60					
Rated current In(A)		125	250	400	630	800	1000/1250/1600
Number of poles		3/4					
Use Category		A	A	B	B	B	B
Breaking capacity	Breaking Class	M	M	M	M	M	M
	Icu(kA) 400/415V AC	50	50	50	50	50	50
	Ics(kA) 400/415V AC	50	50	50	50	50	50
	Icw(kA) 400/415V AC	2.5(1s)	2.5(1s)	5(1s)	8(1s)	10(1s)	42(1s)
Mechanical life		20000	20000	1000	1000	5000	12500
Electrical life	AC 400/415V	8000	8000	7500	7500	2500	6000
Power distribution protection	Electrinic trip unit	■		■		■	
Isolation function		■		■		■	
Certification		TUV, CE		TUV, CE		TUV, CE	

3 Series MCCB



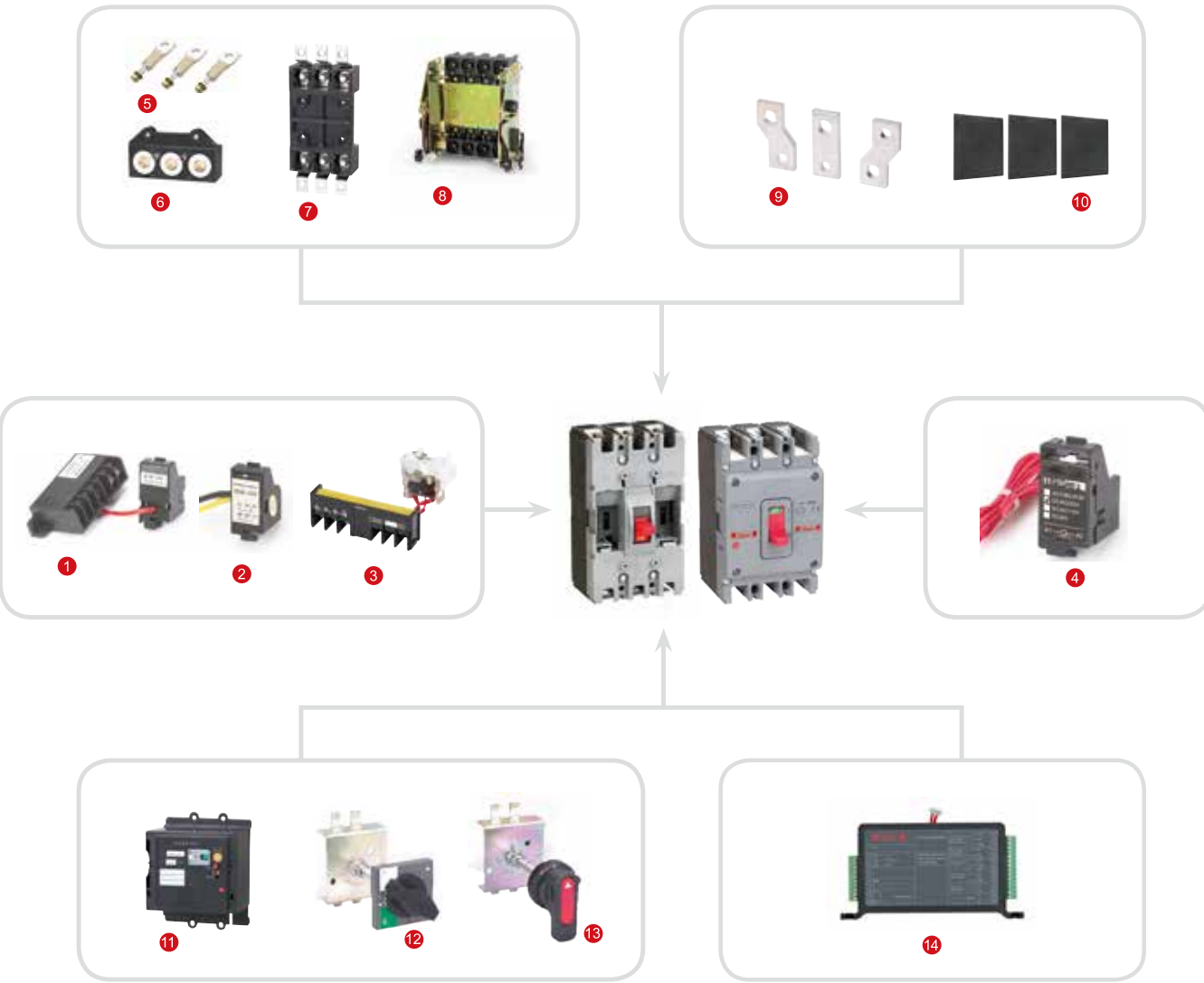
Technical Parameters						
Earth leakage MCCB		HDM3L-125	HDM3L-160	HDM3L-250	HDM3L-400	HDM3L-630
Rated voltage Ue(V)		400/415				
Rated insulation voltage Ui(V)		800	800	800	800	800
Rated impulse withstand voltage Uimp(kV)		8	8	8	8	8
Rated frequency(Hz)		50/60				
Rated current In(A)		16-125	100-160	160-250	200-400	400-630
Number of poles		3/4				
Use category		A				
Breaking capacity	Breaking class	F	F	F	F	F
	Icu(kA) 400/415V AC	50	50	50	70	70
	Ics(kA) 400/415V AC	30	30	30	42	40
	Icw(kA) 400/415V AC	25% Icu				
Mechanical life		20000	20000	20000	10000	10000
Electrical life	AC 400/415V	8000	8000	8000	7500	7500
Power distribution protection	Electronic trip unit					
Isolation function						
Leakage protection						
Rated residual operating current IΔn mA (three rating adjustable)	Non-delay type	30, 100, 300	30, 100, 300	30, 100, 300	100, 300, 500	100, 300, 500
		100, 300, 500	100, 300, 500	100, 300, 500	300, 500, 1000	300, 500, 1000
	Delay type	100, 300, 500	100, 300, 500	100, 300, 500	100, 300, 500	100, 300, 500
					300, 500,1000	300, 500, 1000
Rated residual non-tripping current I Δ no (mA)		50% I Δ n				
Non-delay type: breaking time (s)		≤ 0.2				
Fixed delay: 2I Δ n limit non-actuating time (s)		0.1/0.2/0.3/0.4/0.5/1	0.1/0.2/0.3/0.4/0.5/1	0.1/0.2/0.3/0.4/0.5/1	0.1/0.2/0.3/0.4/0.5/1	-
Delay adjustable type: 2I Δ n limit non-actuating time (s)		0.1/0.2/0.3	0.1/0.2/0.3	0.1/0.2/0.3	0.1/0.2/0.3	0/0.2/0.5
		0.4/0.5/1	0.4/0.5/1	0.4/0.5/1	0.4/0.5/1	-
Certification		CE	CE	CE	CE	CE

3 Series MCCB



Accessories HDM3/HDM3L/HDM3E 125-800

Overview of Accessories



1	Undervoltage release	6	Plug-in rear connection	11	Electric operating mechanism
2	Auxiliary contact	7	Plug-in front connection	12	Square handle operating mechanism
3	Alarm contact	8	Withdrawable connection	13	Round handle operating mechanism
4	Shunt release	9	Extension terminal	14	Modbus RTU (for HDM3E 125-800)
5	Fixed rear connection	10	Interphase barriers		

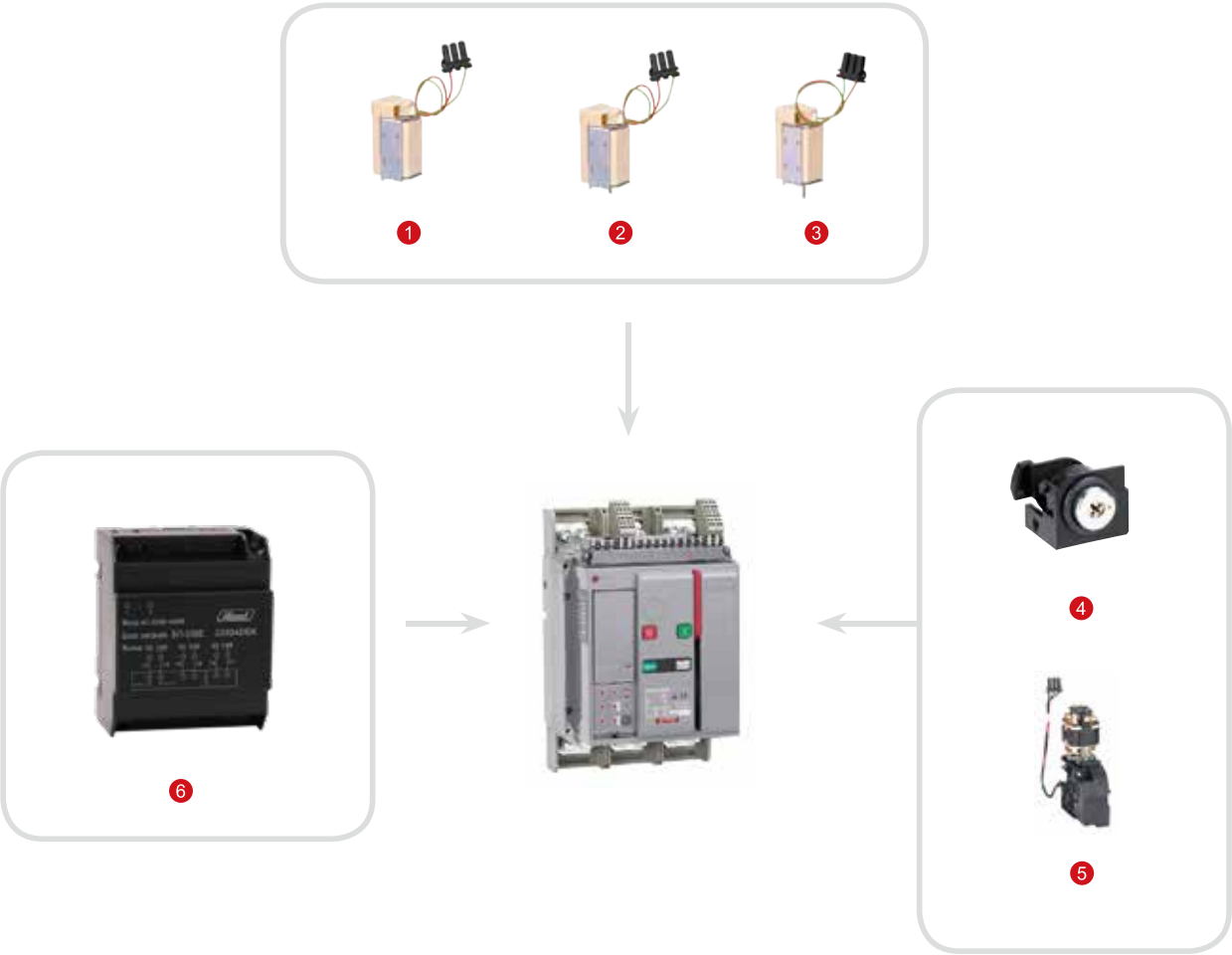
Note: For full information about the accessories. Please go on Himel website to download "MCCB catalogue"

3 Series MCCB



Accessories HDM3E 1600

Overview of Accessories



1	Close release	3	Undervoltate release	5	Motor
2	Shunt release	4	Key lock	6	Power Module

3 Series MCCB



Accessories Selection Guide



Frame size	Contact	Auxiliary contact with wire		Auxiliary contact with Terminal		
		Left	Right	Left	Right 3P	Right 4P
HDM3-63 HDM3-100L/S	1NC+1NO	HDM363OF11K1BL	HDM363OF11K1BR	HDM363OF21K1BL	HDM363OF21K1BR3P	HDM363OF21K1BR4P
HDM3-100M/F/T/N HDM3L-125	1NC+1NO	HDM3100FNOF11K1BL	HDM3100FNOF11K1BR	HDM3100FNOF21K1B	HDM3100FOF21K1BR3	HDM3100FOF21K1BR4
HDM3-160/250 HDM3E-125/250 HDM3L-160/250	1NC+1NO	HDM3250OF11K1BL	HDM3250OF11K1BR	HDM3250OF21K1BL	HDM3250OF21K1BR3	HDM3250OF21K1BR4
	2NC+2NO	HDM3E250OF12K2BL	HDM3E250OF12K2BR	HDM3E250OF22K2BL	HDM3E250OF22K2BR3	HDM3E250OF22K2BR4
HDM3-400/630 HDM3E-400/630/800 HDM3L-400	1NC+1NO	HDM3630OF11K1BL	HDM3630OF11K1BR	HDM3630OF21K1BL	HDM3630OF21K1BR3	HDM3630OF21K1BR4
	2NC+2NO	HDM3E630OF12K2BL	HDM3E630OF12K2BR	HDM3E630OF22K2BL	HDM3E630OF22K2BR3	HDM3E630OF22K2BR4
HDM3-800 HDM3L-630	1NC+1NO	HDM3800OF11K1BL	HDM3800OF11K1BR	HDM3800OF21K1BL	HDM3800OF21K1BR3	HDM3800OF21K1BR4

Note: Right side mounted part is not adept with HDM3L MCCB



Frame size	Alarm contact with wire		Alarm contact with Terminal		
	Left	Right	Left	Right 3P	Right 4P
HDM3-63 HDM3-100L/S	HDM363AL1L	HDM363AL1R	HDM363AL2L	HDM363AL2R3P	HDM363AL2R4P
HDM3-100M/F/T/N HDM3L-125	HDM3100FNAL1L	HDM3100FNAL1R	HDM3100FNAL2L	HDM3100FNAL2R3P	HDM3100FNAL2R4P
HDM3-160/250 HDM3E-125/250 HDM3L-160/250	HDM3250AL1L	HDM3250AL1R	HDM3250AL2L	HDM3250AL2R3P	HDM3250AL2R4P
HDM3-400/630 HDM3E-400/630/800 HDM3L-400	HDM3630AL1L	HDM3630AL1R	HDM3630AL2L	HDM3630AL2R3P	HDM3630AL2R4P
HDM3-800 HDM3L-630	HDM3800AL1L	—	HDM3800AL2L	—	—

Note: Right side mounted part is not adept with HDM3L MCCB

3 Series MCCB



Frame size	Auxiliary Alarm with wire		Auxiliary Alarm with Terminal		
	Left	Right	Left	Right 3P	Right 4P
HDM3-63 HDM3-100L/S	HDM363OFAL1L	HDM363OFAL1R	HDM363OFAL2L	HDM363OFAL2R3P	HDM363OFAL2R4P
HDM3-100M/F/T/N HDM3L-125	HDM3100FNOFAL1L	HDM3100FNOFAL1R	HDM3100FNOFAL2L	HDM3100FNOFAL2R3	HDM3100FNOFAL2R4
HDM3-160/250 HDM3E-125/250 HDM3L-160/250	HDM3250OFAL1L	HDM3250OFAL1R	HDM3250OFAL2L	HDM3250OFAL2R3P	HDM3250OFAL2R4P
HDM3-400/630 HDM3E-400/630/800 HDM3L-400	HDM3630OFAL1L	HDM3630OFAL1R	HDM3630OFAL2L	HDM3630OFAL2R3P	HDM3630OFAL2R4P
HDM3-800 HDM3L-630	HDM3800OFAL1L	—	HDM3800OFAL2L	—	—

Note: Right side mounted part is not adept with HDM3L MCCB



Frame size	Under voltage release with Terminal	
	Voltage	Left
HDM3-63 HDM3-100L/S	AC230V	HDM363MNA2L
	AC400V	HDM363MNA3L
HDM3-100M/F/T/N HDM3L-125	AC230V	HDM3100FNMNA2L
	AC400V	HDM3100FNMNA3L
HDM3-160/250 HDM3L-160/250 HDM3E-125/250	AC230V	HDM3E125250MNA2L
	AC400V	HDM3E125250MNA3L
HDM3-400/630 HDM3L-400 HDM3E-400/630/800	AC230V	HDM3E400630MNA2L
	AC400V	HDM3E400630MNA3L
HDM3-800 HDM3L-630	AC230V	HDM3800MNA2L
	AC400V	HDM3800MNA3L
HDM3-1250	AC230V	HDM31250MNA2
	AC400V	HDM31250MNA3

Under voltage release with Terminal

3 Series MCCB



Frame size	Voltage	Shunt release with wire		Shunt release with Terminal		
		Left	Right	Left	Right 3P	Right 4P
HDM3-63 HDM3-100L/S	AC230V	—	HDM363MX1A2	—	HDM363MX2A23P	HDM363MX2A24P
	AC400V	—	HDM363MX1A3	—	HDM363MX2A33P	HDM363MX2A34P
	DC24V	—	HDM363MX1D2	—	HDM363MX2D23P	HDM363MX2D24P
HDM3-100M/F/T/N	AC230V	HDM3100FNMX1A2L	HDM3100FNMX1A2	HDM3100FNMX2A2L	HDM3100FNMX2A23P	HDM3100FNMX2A24P
	AC400V	HDM3100FNMX1A3L	HDM3100FNMX1A3	HDM3100FNMX2A3L	HDM3100FNMX2A33P	HDM3100FNMX2A34P
	DC24V	HDM3100FNMX1D2L	HDM3100FNMX1D2	HDM3100FNMX2D2L	HDM3100FNMX2D23P	HDM3100FNMX2D24P
HDM3-160/250 HDM3E-125/250 HDM3L-160/250	AC230V	HDM3250MX1A2L	HDM3250MX1A2	HDM3250MX2A2L	HDM3250MX2A23P	HDM3250MX2A24P
	AC400V	HDM3250MX1A3L	HDM3250MX1A3	HDM3250MX2A3L	HDM3250MX2A33P	HDM3250MX2A34P
	DC24V	HDM3250MX1D2L	HDM3250MX1D2	HDM3250MX2D2L	HDM3250MX2D23P	HDM3250MX2D24P
	DC110V	—	HDM3E125250MX1D11	—	HDM3E250MX2D113P	HDM3E250MX2D114P
	DC220V	—	HDM3E125250MX1D22	—	HDM3E250MX2D223P	HDM3E250MX2D224P
HDM3-400/630 HDM3E-400/630/800 HDM3L-400	AC230V	HDM3630MX1A2L	HDM3630MX1A2	HDM3630MX2A2L	HDM3630MX2A23P	HDM3630MX2A24P
	AC400V	HDM3630MX1A3L	HDM3630MX1A3	HDM3630MX2A3L	HDM3630MX2A33P	HDM3630MX2A34P
	DC24V	HDM3630MX1D2L	HDM3630MX1D2	HDM3630MX2D2L	HDM3630MX2D23P	HDM3630MX2D24P
	DC110V	—	HDM3E400630MX1D11	—	HDM3E630MX2D113P	HDM3E630MX2D114P
	DC220V	—	HDM3E400630MX1D22	—	HDM3E630MX2D223P	HDM3E630MX2D224P
HDM3-800 HDM3L-630	AC230V	HDM3800MX1A2L	HDM3800MX1A2R	HDM3800MX2A2L	HDM3800MX2A2R3P	HDM3800MX2A2R4P
	AC400V	HDM3800MX1A3L	HDM3800MX1A3R	HDM3800MX2A3L	HDM3800MX2A3R3P	HDM3800MX2A3R4P
	DC24V	HDM3800MX1D2L	HDM3800MX1D2R	HDM3800MX2D2L	HDM3800MX2D2R3P	HDM3800MX2D2R4P
HDM3-1250	AC230V	—	—	—	HDM31250MX2A2R	—

Note: Right side mounted part is not adept with HDM3L MCCB

3 Series MCCB



Front connection



Rear connection

Frame size	Plug-in		
	Connection type	3P	4P
HDM3-63 HDM3-100L/S	Front connection	HDM363PFC3	HDM363PFC4
	Rear conection	HDM363PRC3	HDM363PRC4
HDM3-100M/F/T/N	Front connection	HDM3100FNPFC3	HDM3100FNPFC4
	Rear conection	HDM3100FNPRC3	HDM3100FNPRC4
HDM3-160/250L/S	Front connection	HDM3250SPFC3	HDM3250SPFC4
	Rear conection	HDM3250SPRC3	HDM3250SPRC4
HDM3-160/250M/F/T/N HDM3E-125/250	Front connection	HDM3E125250PFC3	HDM3E125250PFC4
	Rear conection	HDM3E125250PRC3	HDM3E125250PRC4
HDM3-400 HDM3E-400 HDM3-630 HDM3E-630	Rear conection	HDM3E630PRC3	HDM3E630PRC4
HDM3-800	Rear conection	HDM3800PRC3	HDM3800PRC4
HDM3E-800	Rear conection	HDM3E800PRC3	HDM3E800PRC4
HDM3-1250	—	—	—



Frame size	Motor		
	AC230V	AC400V	DC220V
HDM3-63 HDM3-100L/S	HDM363D1A2	HDM363D1A3	HDM363D2
HDM3-100M/F/T/N	HDM3100FND1A2	HDM3100FND1A3	HDM3100FND2
HDM3-160/250L/S HDM3-160/250M/F/T/N	HDM3250FD1A2	HDM3250FD1A3	HDM3250FD2
HDM3E-125/250	HDM3E125250D2	HDM3E125250D4	—
HDM3-630 HDM3E-630	HDM3630D1A2	HDM3630D1A3	HDM3630D2
HDM3-800	HDM3800D1A2	HDM3800D1A3	—
HDM3E-800	HDM3E800D2	HDM3E800D4	—
HDM3-1250	HDM31250CD1A2	HDM31250CD1A3	—

3 Series MCCB



Frame size	Rotation Handle		
	Handle shape	Direct	Extended (Defult 150mm)
HDM3-63 HDM3-100L/S	Round	HDM363H1	HDM363HL1
	Square	HDM363H2	HDM363HL2
HDM3-100M/F/T/N	Round	HDM3100FNH1	HDM3100FNHL1
	Square	HDM3100FNH2	HDM3100FNHL2
HDM3-160/250	Round	HDM3250H1	HDM3250HL1
	Square	HDM3250H2	HDM3250HL2
HDM3-400/630	Round	HDM3630H1	HDM3630HL1
	Square	HDM3630H2	HDM3630HL2
HDM3-800	Round	HDM3800H1	HDM3800HL1
	Square	HDM3800H2	HDM3800HL2
HDM3E-125/250	Round	HDM3E125250H1	HDM3E125250HL1
	Square	HDM3E125250H2	HDM3E125250HL2
HDM3E-400/630	Round	HDM3E400630H1	HDM3E400630HL1
	Square	HDM3E400630H2	HDM3E400630HL2
HDM3E-800	Round	HDM3E800H1	HDM3E800HL1
	Square	HDM3E800H2	HDM3E800HL2

Note:Default lenth of rod is 150mm.if require more, please order below rod individually.

	175mm	200mm	300mm
Under 250A:	HDM3E-8X8ROD175	HDM3-8x8ROD200	HDM3-8x8ROD300
Over 250A:	HDM3E-10X10ROD175	HDM3-10x10ROD200	HDM3-10x10ROD300

Frame size	Draw-out		
	Connection type	3P	4P
HDM3-400 HDM3E-400	Horizontal conection	HDM3E400DOR3	HDM3E400DOR4
HDM3-630 HDM3E-630	Horizontal conection	HDM3E630DOR3	HDM3E630DOR4
HDM3E-800	Horizontal conection	HDM3E800DOR3	HDM3E800DOR4



Round



Square



3 Series MCCB



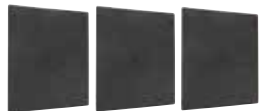
Frame size	Expanding terminal	
	3P(3pcs)	4P(4pcs)
HDM3-63 HDM3-100L/S	HDM363C3	HDM363C4
HDM3-100M/F/T/N HDM3L-125	HDM3100FNC3	HDM3100FNC4
HDM3-160/250L/S HDM3-160/250M/F/T/N HDM3L-160/250 HDM3E-125/250	HDM3250C3	HDM3250C4
HDM3-400 HDM3L-400 HDM3E-400 HDM3-630 HDM3E-630	HDM3630C3	HDM3630C4
HDM3-800 HDM3E-800 HDM3L-630	HDM3E800C3	HDM3E800C4



Frame size	Modbus RTU module
HDM3E-125	HDM3ECOM
HDM3E-250	
HDM3E-400	
HDM3E-630	
HDM3E-800	



Frame size	Interphase barriers	
	3P(2pcs)	4P(3pcs)
HDM3-63 HDM3-100L/S	HDM363IB3	HDM363IB4
HDM3-100M/F/T/N HDM3L-125	HDM3100FNIB3	HDM3100FNIB4
HDM3-160/250L/S	HDM3250SIB3	HDM3250SIB4
HDM3-160/250M/F/T/N HDM3L-160/250 HDM3E-125/250	HDM3250FIB3	HDM3250FIB4
HDM3-400 HDM3L-400 HDM3E-400 HDM3-630 HDM3E-630	HDM3630IB3	HDM3630IB4
HDM3-800 HDM3L-630	HDM3800IB3	HDM3800IB4
HDM3E-800	HDM3E800IB3	HDM3E800IB4



3 Series MCCB



Frame size	Rear connection	
	3P(6pcs)	4P(8pcs)
HDM3-63 HDM3-100L/S	HDM363RC3	HDM363RC4
HDM3-100M/F/T/N HDM3L-125	HDM3100FNRC3	HDM3100FNRC4
HDM3-160/250 HDM3L-160/250 HDM3E-125/250	HDM3250RC3	HDM3250RC4
HDM3-400/630 HDM3L-400 HDM3E-400/630	HDM3630RC3	HDM3630RC4
HDM3-800 HDM3E-800 HDM3L-630	HDM3800RC3	HDM3800RC4



Frame size	Expanding terminal	
	3P(3pcs)	4P(4pcs)
HDM3-63 HDM3-100L/S	LUG100S1	LUG100S1E
HDM3-100M/F/T/N HDM3L-125	LUG100F1	LUG100F1E
HDM3-160 HDM3L-160 HDM3E-125	LUG1601	LUG1601E
HDM3-160/250 HDM3L-160/250 HDM3E-125/250	—	LUG2502E
HDM3-400 HDM3L-400 HDM3E-400	LUG4001	LUG4001E
HDM3-400/630 HDM3L-400 HDM3E-400/630	—	LUG6302E
HDM3-800 HDM3L-630 HDM3E-800	—	LUG8004E



HDM3E-1600A Accessories		
Acc Name	AC230V	AC400V
Close release	HDW3XF2A	HDW3XF3A
Shunt release	HDW3MX2A	HDW3MX3A
Undervoltage release	HDW3MN2A	HDW3MN3A
Motor	HDW3MCH162A	HDW3MCH163A



1600A Accessories		
Acc Name	AC220~400V Input	DC220/110V Input
Power module	IAPU334	IAPU332D



HDM3S MCCB



Range Presentation

HDM3S is himel 3 series range of moulded case circuit breakers with adjustable thermal magnetic trip unit,providing line protection, up to 630A

Features

- ◆ Double-deck cover design assures easy intallation and removal of accessories.
- ◆ Thermal adjustable range (0.8~1)In ,magnetic adjustable range (5~10)In
- ◆ All series Ics=100%Icu.

Online Content



HDM3S

MCCB Selection Code

Range name	Frame size	Breaking capacity	Rated current	Poles	Protection	Temperature
HDM3S	160	M	160	3	3XX	
HDM3S	160: 160A 250: 250A	M: 35/35kA	025: 25A 032: 32A ...	3: 3P B: 4P*	3XX: Thermal-magnetic adjustable 2XX: Magnetic protection, Magnetic adjustable only 1XX: Thermal-magnetic protection, Thermal adjustable only	Default: 40°C T: 50°C
	400: 400A 630: 630A	M: 50/50kA	500: 500A 630: 630A			

Note: 1. B: The N phase is equipped with contacts, but without protection. It closes earlier and opens later than the other 3 poles.
2. If 2xx, 1xx products required, please confirm with local Himel sales office
3. Thermal -magnetic adjustable (3XX) , the minimun In=63A
4. "T" is thermal trip calibrated in 50 degree. please contact with HIMEL local office, if you required

Frame size(A)	Rated Current (A) @40°C In															
	25	32	40	50	63	80	100	125	140	160	200	250	320	400	500	630
160																
250																
400																
630																

Technical Parameters					
Frame	HDM3S-160		HDM3S-250	HDM3S-400	HDM3S-630
Standard	IEC 60947-2		IEC 60947-2	IEC 60947-2	IEC 60947-2
[Uimp] rated impulse withstand voltage	8kV		8kV	8kV	8kV
[Ui] rated insulation voltage	AC1000V		AC1000V	AC1000V	AC1000V
Network frequency	50/60 Hz		50/60 Hz	50/60 Hz	50/60 Hz
[Ue] rated operational voltage	400/415VAC		400/415VAC	400/415VAC	400/415VAC
Poles	3/4		3/4	3/4	3/4
Suitability for isolation	Yes		Yes	Yes	Yes
Utilisation category	Category A		Category A	Category A	Category A
[In]Current	25/32/40/50	63/80/100/125/160	140/160/200/250	250/320/400	500/630
Thermal Adjustable	0.8,0.9,1.0	0.8,0.9,1.0	0.8,0.9,1.0	0.8,0.9,1.0	0.8,0.9,1.0
Magnetic Adjustable	/	5,6,7,8,9,10	5,6,7,8,9,10	5,6,7,8,9,10	5,6,7,8,9,10
Breaking Capacity	M		M	M	M
400VAC Icu	35		35	50	50
400VAC Ics	35		35	50	50
Mechanical Life	8500		7000	4000	4000
Electrical Life	1500		1000	1000	1000
Dimension (WxHxD)	90-155-108(3P)/ 120-155-108(4P)		105-165-116(3P)/ 140-165-116(4P)	140-257-155(3P)/ 184-257-155(4P)	140-257-155(3P)/ 184-257-155(4P)
Ambient air temperature for operation	40/50 °C		40/50 °C	40/50 °C	40/50 °C
Certificates	TUV/ CB		TUV/ CB	TUV/ CB	TUV/ CB

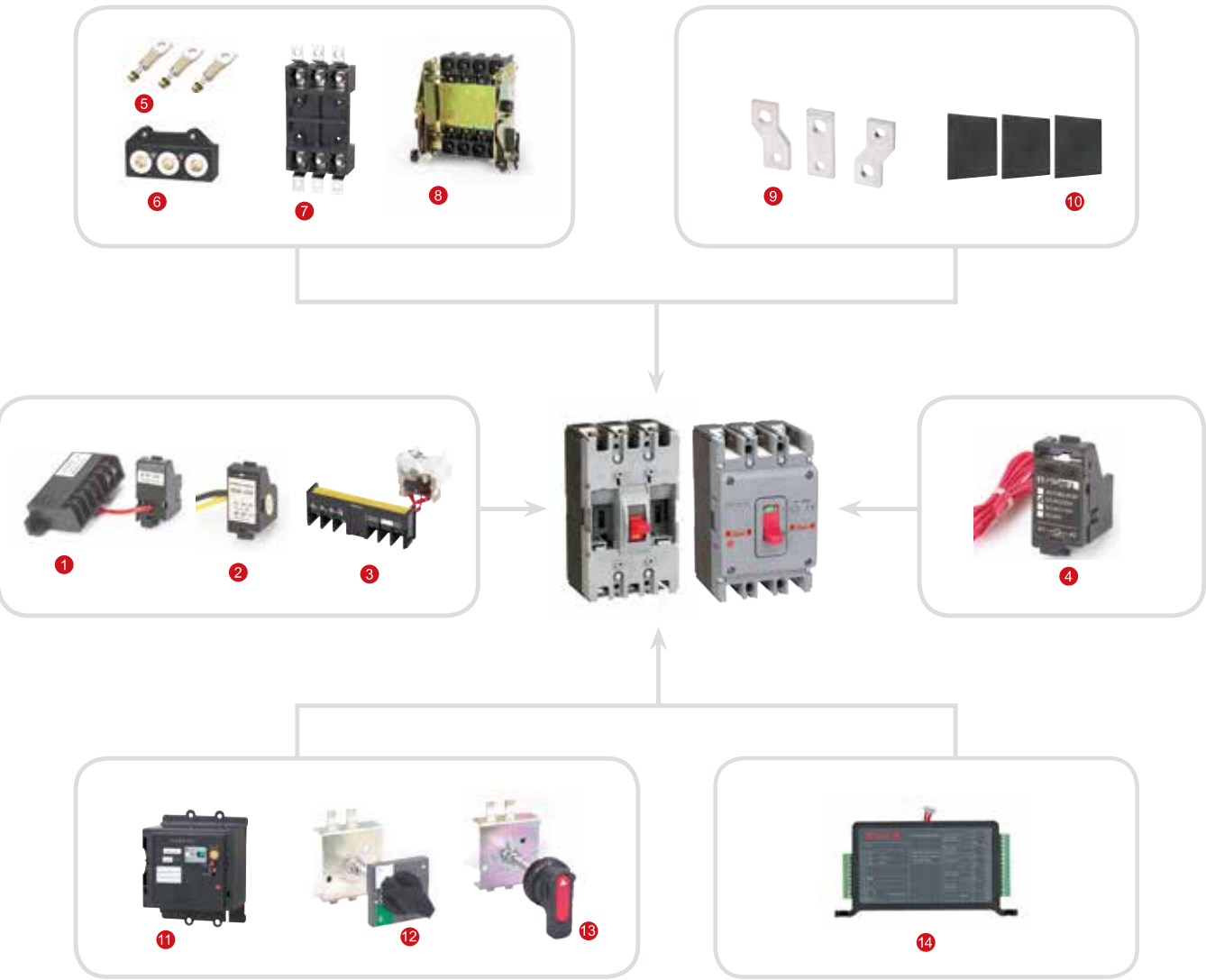
HDM3S MCCB



Accessories

Note: HDM3S Accessories are not compatible with HDM3/HDM3E/HDM3L

Overview of Accessories



1	Undervoltage release	7	Plug-in front connection	13	Round handle operating mechanism
2	Auxiliary contact	8	Withdrawable connection	14	Hand lock
3	Alarm contact	9	Extension terminal	15	Terminal cover
4	Shunt release	10	Interphase barriers	16	Cage lug
5	Fixed rear connection	11	Electric operating mechanism		
6	Plug-in rear connection	12	Square handle operating mechanism		

Note:
For full information about the accessories. Please go on Himel website to download "MCCB catalogue"

HDM3S MCCB



Accessories Selection Guide

Auxiliary contact with Wire

Frame size	Auxiliary contact with Wire	
	Contact	Left
HDM3S-160	1NC+1NO	HDM3S160OF11L
	2NC+2NO	HDM3S160OF21L
HDM3S-250	1NC+1NO	HDM3S250OF11L
	2NC+2NO	HDM3S250OF21L
HDM3S-400/630	1NC+1NO	HDM3S630OF11L
	2NC+2NO	HDM3S630OF21L

Auxiliary contact with Terminal

Frame size	Auxiliary contact with terminal	
	Contact	Left
HDM3S-160	1NC+1NO	HDM3S160OF12L
	2NC+2NO	HDM3S160OF22L
HDM3S-250	1NC+1NO	HDM3S250OF12L
	2NC+2NO	HDM3S250OF22L
HDM3S-400/630	1NC+1NO	HDM3S630OF12L
	2NC+2NO	HDM3S630OF22L

Alarm contact with Wire

Frame size	Alarm contact Wire	
	Left	
HDM3S-160	HDM3S160AL1L	
HDM3S-250	HDM3S250AL1L	
HDM3S-400/630	HDM3S630AL1L	

Alarm contact with Terminal

Frame size	Alarm contact terminal	
	Left	
HDM3S-160	HDM3S160AL2L	
HDM3S-250	HDM3S250AL2L	
HDM3S-400/630	HDM3S630AL2L	

Auxiliary Alarm with Wire

Frame size	Alarm contact Wire	
	Left	
HDM3S-160	HDM3S160OFAL1L	
HDM3S-250	HDM3S250OFAL1L	
HDM3S-400/630	HDM3S630OFAL1L	



HDM3S MCCB



Auxiliary Alarm with Terminal

Frame size	Alarm contact terminal	
	Left	
HDM3S-160	HDM3S160OFAL2L	
HDM3S-250	HDM3S250OFAL2L	
HDM3S-400/630	HDM3S630OFAL2L	



Shunt release with Wire

Frame size	Shunt release with Wire	
	Voltage	Right
HDM3S-160	AC230V	HDM3S160MX1A2R
	AC400V	HDM3S160MX1A3R
	DC110V	HDM3S160MX1D1R
	DC220V	HDM3S160MX1D2R
	DC24V	HDM3S160MX1D3R
HDM3S-250	AC230V	HDM3S250MX1A2R
	AC400V	HDM3S250MX1A3R
	DC110V	HDM3S250MX1D1R
	DC220V	HDM3S250MX1D2R
	DC24V	HDM3S250MX1D3R
HDM3S-400/630	AC230V	HDM3S630MX1A2R
	AC400V	HDM3S630MX1A3R
	DC110V	HDM3S630MX1D1R
	DC220V	HDM3S630MX1D2R
	DC24V	HDM3S630MX1D3R



Shunt release with Terminal

Frame size	Shunt release with Terminal	
	Voltage	Right
HDM3S-160	AC230V	HDM3S160MX2A2R
	AC400V	HDM3S160MX2A3R
	DC110V	HDM3S160MX2D1R
	DC220V	HDM3S160MX2D2R
	DC24V	HDM3S160MX2D3R
HDM3S-250	AC230V	HDM3S250MX2A2R
	AC400V	HDM3S250MX2A3R
	DC110V	HDM3S250MX2D1R
	DC220V	HDM3S250MX2D2R
	DC24V	HDM3S250MX2D3R
HDM3S-400/630	AC230V	HDM3S630MX2A2R
	AC400V	HDM3S630MX2A3R
	DC110V	HDM3S630MX2D1R
	DC220V	HDM3S630MX2D2R
	DC24V	HDM3S630MX2D3R



HDM3S MCCB



Under voltage release with Terminal

Frame size	Under voltage release with Terminal	
	Voltage	Right
HDM3S-160	AC230V	HDM3S160MN2A2R
	AC400V	HDM3S160MN2A3R
	DC110V	HDM3S160MN2D1R
	DC220V	HDM3S160MN2D2R
	DC24V	HDM3S160MN2D3R
HDM3S-250	AC230V	HDM3S250MN2A2R
	AC400V	HDM3S250MN2A3R
	DC110V	HDM3S250MN2D1R
	DC220V	HDM3S250MN2D2R
	DC24V	HDM3S250MN2D3R
HDM3S-400/630	AC230V	HDM3S630MN2A2R
	AC400V	HDM3S630MN2A3R
	DC110V	HDM3S630MN2D1R
	DC220V	HDM3S630MN2D2R
	DC24V	HDM3S630MN2D3R



Plug-in

Frame size	Plug-in		
	Connection type	3P	4P
HDM3S-160	Front connection	HDM3S160PF3	HDM3S160PF4
	Rear conection	HDM3S160PR3	HDM3S160PR4
HDM3S-250	Front connection	HDM3S250PF3	HDM3S250PF4
	Rear conection	HDM3S250PR3	HDM3S250PR4
HDM3S-400/630	Rear conection	HDM3S630PR3	HDM3S630PR4



Draw-out

Frame size	Plug-in		
	Connection type	3P	4P
HDM3S-400	Horizontal conection	HDM3S400DOR3	HDM3S400DOR4
HDM3S-630	Horizontal conection	HDM3S630DOR3	HDM3S630DOR4



Motor

Frame size	Motor				
	AC230V	AC400V	DC110V	DC220V	DC24V
HDM3S-160	HDM3S160MOA2	HDM3S160MOA3	HDM3S160MOD1	HDM3S160MOD2	HDM3S160MOD3
HDM3S-250	HDM3S250MOA2	HDM3S250MOA3	HDM3S250MOD1	HDM3S250MOD2	HDM3S250MOD3
HDM3S-400/630	HDM3S630MOA2	HDM3S630MOA3	HDM3S630MOD1	HDM3S630MOD2	HDM3S630MOD3



HDM3S MCCB



Rotation Handle

Frame size	Rotation Handle		
	Handle shape	Direct	Extended (Default 150mm)
HDM3S-160	Round	HDM3S160H1	HDM3S160HL1
	Square	HDM3S160H2	HDM3S160HL2
HDM3S-250	Round	HDM3S250H1	HDM3S250HL1
	Square	HDM3S250H2	HDM3S250HL2
HDM3S-400/630	Round	HDM3S630H1	HDM3S630HL1
	Square	HDM3S630H2	HDM3S630HL2



Rear connection

Frame size	Rear connection	
	3P(6pcs)	4P(8pcs)
HDM3S-160	HDM3S160RC3	HDM3S160RC4
HDM3S-250	HDM3S250RC3	HDM3S250RC4
HDM3S-400/630	HDM3S630RC3	HDM3S630RC4



Expanding terminal

Frame size	Expanding terminal	
	3P(3pcs)	4P(4pcs)
HDM3S-160	HDM3S160C3	HDM3S160C4
HDM3S-250	HDM3S250C3	HDM3S250C4
HDM3S-400/630	HDM3S630C3	HDM3S630C4



Interphase barriers

Frame size	Interphase barriers	
	3P(2pcs)	4P(3pcs)
HDM3S-160	HDM3S160IB3	HDM3S160IB4
HDM3S-250	HDM3S250IB3	HDM3S250IB4
HDM3S-400/630	HDM3S630IB3	HDM3S630IB4



Cage lug

Frame size	Cage lug
	Normal(1pcs)
HDM3S-160	HDM3S160LUG
HDM3S-250	HDM3S250LUG
HDM3S-400	HDM3S400LUG
HDM3S-630	HDM3S630LUG



HDM2 MCCB



Range Presentation

HDM2 is Himel range of 1P/2P MCCB , rated current 10A to 125A, rated Voltage 220V/240V, 400V, suitable for AC 50/60Hz and mainly used in the Power distribution system, to provide protection against overload and short circuit.

Features

- ◆ Rated current 10A to 125A
- ◆ Icu/Ics certified
1P: Icu/Ics=20/15kA@220/240V
2P: Icu/Ics=30/18kA@220/240V
Icu/Ics=20/15kA@400V
- ◆ Thermal trip calibrated under 40°C and 50°C , suitable for Higher ambient temperature

Online Content



HDM2

Selection Code

Range name	Frame size	Breaking capacity	Rated current	Poles	Temperature
HDM2	125	L	100	1	
HDM2	125: 125AF	L	010: 10A 016: 16A ... 100: 100A 125: 125A	1: 1P 2: 2P	Default: 40°C T: 50°C

Note: "T" is thermal trip calibrated in 50 degree. please contact with HIMEL local office, if you required

Technical Parameters			
MCCB		HDM2-125	
Rated voltage Ue(V)		1P: 220/240VAC; 2P: 400VAC	
Rated frequency (Hz)		50/60Hz	
Rated insulation voltage Ui(V)		690V	
Rated impulse withstand voltage uimp(kV)		8kV	
Rated current In(A)		10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A,125A	
Utilization category		A	
Reference temperature		40℃	
Number of Poles		1P	2P
Icu(kA)	220/240VAC	20	30
Ics(kA)	220/240VAC	15	18
Icu(kA)	400VAC	/	20
Ics(kA)	400VAC	/	15
Mechanical life		9000	
Electrical life		2000	
Isolation function		Available	
Certification		SEMKO	

HDM2L Earth-leakage Circuit Breaker



Range Presentation

HDM2L is himel range of 2P ELCB with thermal magnetic trip unit and residual operating current protection, providing line protection, up to 250A

Features

- ◆ 125AF & 250AF , 2P, 2 frame size
- ◆ Rated current 16A to 250A
- ◆ Adjustable residual current protection
- ◆ Adjustable time delay with residual current protection

Selection Code

Series Name	Frame Size	Breaking Capacity	Rated Current	Poles	Leakage current	Leakage current	Time delay
HDM2L	125	S	100	2	3C	C	1
HDM2L	125: 125A (16-125A) 250: 250AF (100-125A)	S	016:16A 020:20A 025:25A 032:32A 040:40A 050:50A 063:63A 080:80A 100:100A 125:125A 160:160A 180:180A 200:200A 225:225A 250:250A	2: 2P	3C: themal -Magnet with line protection, N pole with switch and protection	A:30/100/300mA B:100/300/500mA C: OFF/100/300mA	0: No delay 1: 0.1/0.2/0.3s

Technical Parameters		
Frame size	HDM3L-125	HDM3L-250
[Ue] rated operational voltage (V)	230	230
[In]Current (A)	16/20/25/32/40/50/63/80/100/125	100/125/140/160/180/200/225/250
[Ui] rated insulation voltage (V)	800	800
[Uimp] rated impulse withstand voltage (Kv)	8	8
Pole	2	2
Breaking Capacity (Ka)	S	S
Icu (230V)	35	35
Ics (230V)	21	21
Rated residual operating current I Δ n (mA)	A:30/100/300mA B:100/300/500mA C: OFF/100/300mA	A:30/100/300mA B:100/300/500mA C: OFF/100/300mA
	Adjustable time delay B:100/300/500mA	B:100/300/500mA
rated residual non-operating current I Δ n (mA)	50% I Δ n	50% I Δ n
Non time delay: tripping time (s)	≤0.1	≤0.1
Adjustable time delay: 2I Δ n non tripping time (s)	Y1: 0.1/0.2/0.3s	Y1: 0.1/0.2/0.3s
Rated residual short-circuit connection capacity I Δ m(kA)	25% Icu	25% Icu
Mechanical Life	10000	10000
Electrical Life	4000	4000
Utilisation category	Category A	
Trip unit technology	Thermal-magnetic (Fixed) , line protection (10xIn,400A below In=40A)	
Suitability for isolation	■	
IP degree of protection	IP20 conforming to IEC 60529	
Ambient air temperature for operation	upto...40 °C	
Certificates	IEC60947-2 TUV/CB	
Dimension (WxHxD)	62*150*72	75*165*74

HDW3 Air Circuit Breakers

Standard: IEC IEC60947-2



Range Presentation

HDW3 is Himel 3 series comprehensive range of Air Circuit Breakers designed to distribute electric energy and protect overload, under voltage, short circuit and ground faults

HDW3 can be mainly used in power stations, factories, mines and modern high-rise buildings with smart power distribution system.

Application standard: IEC/EN 60947-2

Selection code

Range name	Frame size	Breaking capacity	Rated current	Poles	Installation type
HDW3	16	M	16	3	FH
HDW3	16: 1600 20: 2000 32: 3200 40: 4000 63: 6300	M: Icu≠Ics≠Icw S: Icu=Ics=Icw	04: 400A 06: 630A 08: 800A 10: 1000A 12: 1250A 16: 1600A 20: 2000A 25: 2500A 32: 3200A 40: 4000A 50: 5000A 63: 6300A(only 3P)	3: 3P 4: 4P	DH: Draw-out horizontal (1600AF~6300AF) FH: Fixed horizontal (1600AF~4000AF)
Motor mechanism (MCH)+Closing coil (XF)	Shunt release (MX)	Undervoltage release(MN)	Auxiliary contact	Intelligent controller	
5	5	5	4	M	
D: DC220V N: AC230V V: AC400V 5: Without MCH+XF	D: DC220V N: AC230V V: AC400V 5: Without shunt release	N: AC230V V: AC400V P: with undervoltage delayed AC230V T: with undervoltage delayed AC400V 5: Without undervoltage release	4: NO+4NC 6: 6NO+6NC	L: iTR326(50Hz) M: iTR326A(50Hz) H: iTR326H((50/60Hz) E: iTR326(60Hz) T: iTR326A(60Hz)	

Example: HDW316M163FH5554M: HDW3-1600M 1600A 3P Fixed breaker, M type controller, without accessory.

HDW3 Air Circuit Breakers

Standard: IEC/EN IEC60947-2



Technical Parameters											
Air Circuit Breakers		HDW3									
Frame size		1600M	1600S	2000M	2000S	3200M	3200S	4000M	4000S	6300M	6300S
Rated current		400, 630, 800, 1000, 1250, 1600		630, 800, 1000, 1250, 1600, 2000		2000, 2500, 3200		1600, 2000, 2500, 3200, 4000		4000, 5000, 6300 (3P only)	
Breaking capacity											
Icu(kA)	400/415V	50	42	80	65	80	65	100	85	120	85
	660/690V	35	35	50	40	65	50	65	65	85	75
Ics(kA)	400/415V	42	42	65	65	65	65	85	85	100	85
	660/690V	35	35	40	40	50	50	65	65	75	75
Icw(kA)	400/415V	42	42	65	65	65	65	85	85	85	85
	660/690V	35	35	40	40	50	50	65	65	75	75
Mechanical life	Without maintenance	12500		15000		10000		10000		2500	
	With maintenance	25000		30000		20000		20000		5000	
Electrical life	400/415V	6000		6500		5000		5000		800	
	690V	4000		4000		3000		3000		500	
Dimension(mm)H*W*D											
Draw-out	3P	322*288*330		436*405*425		436*465*425		439*441*428.6		441.5*815*508	
	4P	322*358*330		436*500*425		436*580*425		439*556*428.6		441.5*930*508	
Fixed	3P	310*276*229		397*364*327		397*428*327		352*422*329.5		/	
	4P	310*346*229		397*459*327		397*543*327		352*537*329.5		/	
Weight(KG)											
Draw-out type	3P	34		73.8		93.8		78		233	
	4P	41		85.5		115		95		271.8	
Fixed type	3P	14		41.4		53.4		42		/	
	4P	17		52		68		52		/	
Tripping time											
Tripping time with arc extinguishing		≤25ms									
Closing time		≤70ms									

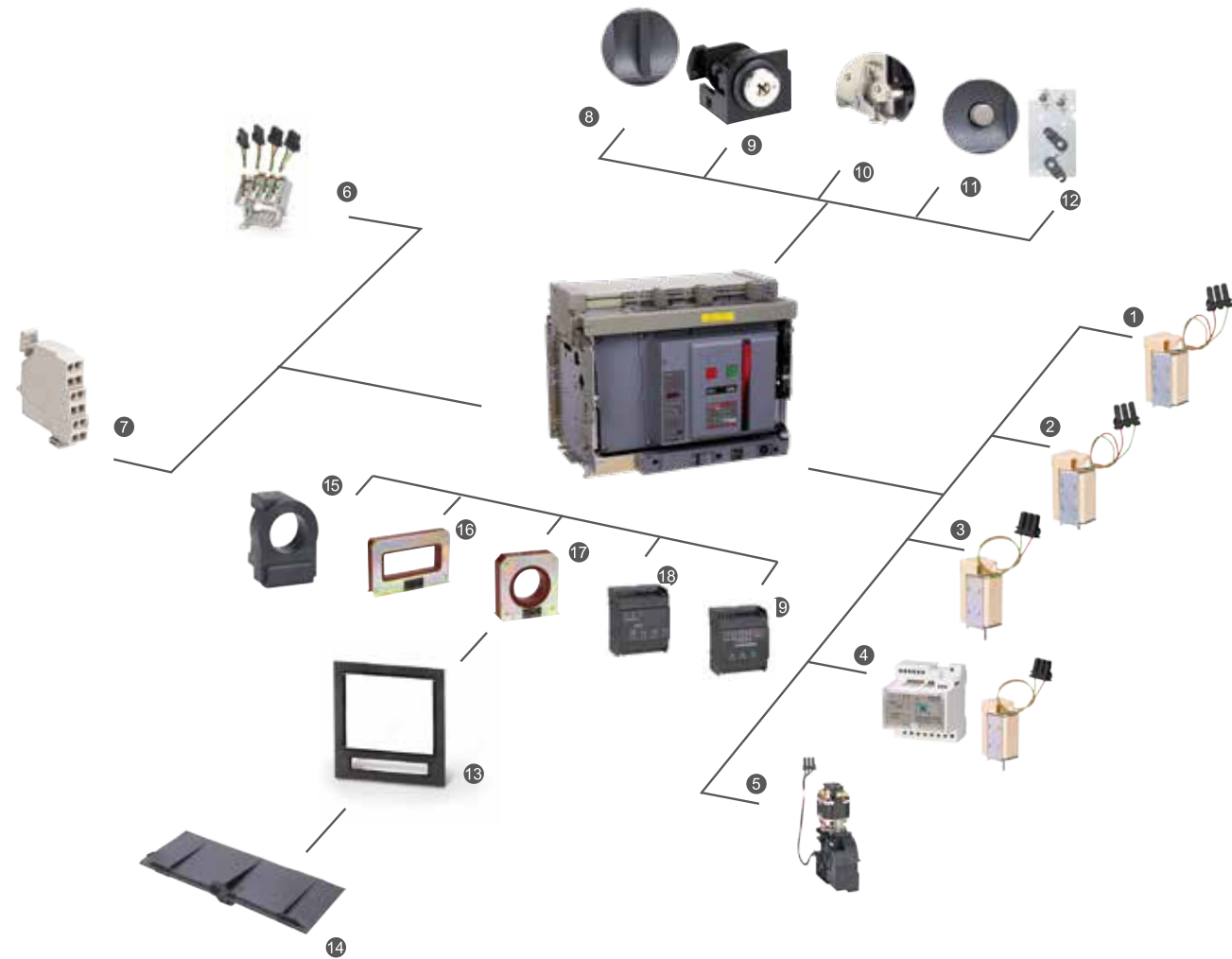
LOW VOLTAGE DISTRIBUTION

HDW3 Air Circuit Breakers

Standard: IEC/EN IEC60947-2



Overview of Accessories



Remote Operation	Indication Contact	Lock and Connection	Operation and protection	Controller accessories
1 Shunt coil	6 Auxiliary switch OF	8 Padlock	13 Door frame	15 N phase external transformer
2 Closing coil	7 Secondary terminal	9 Key lock	14 Phase partition	16 Leakage current transformer
3 Undervoltage release		10 Door lock		17 Ground transformer
4 Undervoltage delay release		11 Connection, separation, test position locking mechanism		18 Power module
5 Motor operating mechanism		12 Mechanical interlocking		19 Signal conversion module

LOW VOLTAGE DISTRIBUTION

HDW3 Air Circuit Breakers

Standard: IEC/EN IEC60947-2



Intelligent Controller Introduction



Intelligent Controller Introduction			
	iTR326	iTR326A	iTR326H
Protection function	Overload protection L Short-circuit protection with short delay S Short-circuit protection instantaneous I Ground protection G MCR Protection HSISC protection	Overload protection L Short-circuit protection with short delay S Short-circuit protection instantaneous I Ground protection G MCR protection HSISC protection	Overload protection L Short-circuit protection with short delay S Short-circuit protection instantaneous I Ground protection G MCR protection HSISC protection Under voltage protection/alarm Overvoltage protection/alarm voltage unbalance protection /alarm Phase sequence protection/alarm Low frequency protection/alarm High frequency protection/alarm Reverse power protection/alarm
Measurement		Current measurement	Current measurement Voltage measurement Power measurement Frequency measurement Harmonics measurement
Auxiliary	Pre-alarm Event record Test	Pre-alarm Self-diagnostic Event record Test	Pre-alarm Self-diagnostic Event record Test
Display		LED	LCD
Special function			Load monitoring Zone selective interlock
Communication			Modbus

ATSE Automatic Transfer Switch Controllers

Standard: IEC60947-6

Range Presentation

HDW3 ATSE is Himel 3 series range of automatic transfer switch controllers designed with programmable functions, automatic measuring, LCD display and digital communication.

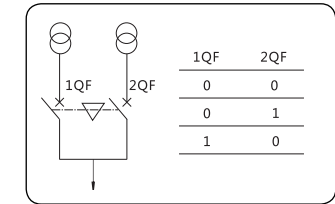
HDW3 ATSE can realize electrical parameters measurement and automatic control according to settings strategy reducing human operation errors.

Features

- ◆ HDW3 ATSE consists of microprocessor as core. 3-phase voltage and make precise recognition about abnormal voltage (over-voltage, under-voltage, missing phase, over-frequency, under-frequency) .This device considers fully the application with compact structure, advanced circuit, simple wiring, highly reliable, it can be widely applied to electrical devices, automatic control and debug system in industry of power, post and telecommunications, petroleum, coal, metallurgical, railway,

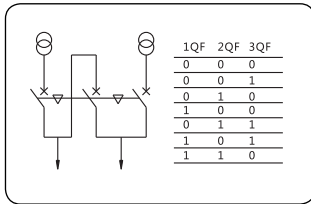
Two Breaker Interlock C2

Interlock type A in which one of the two breakers (B1 or B2)can be switched ON. Each breaker must be equipped with a factory mounted interlock type A. Two cables are needed.



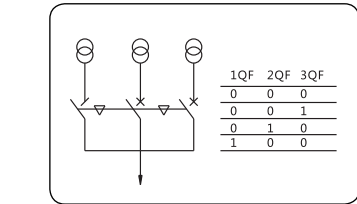
Three Breaker Interlock C3

Interlock type B in which one of the three breakers (B1, B2 or B3) can be switched ON. Each breaker must be equipped with a factory mounted interlock type B. Six cables are needed.

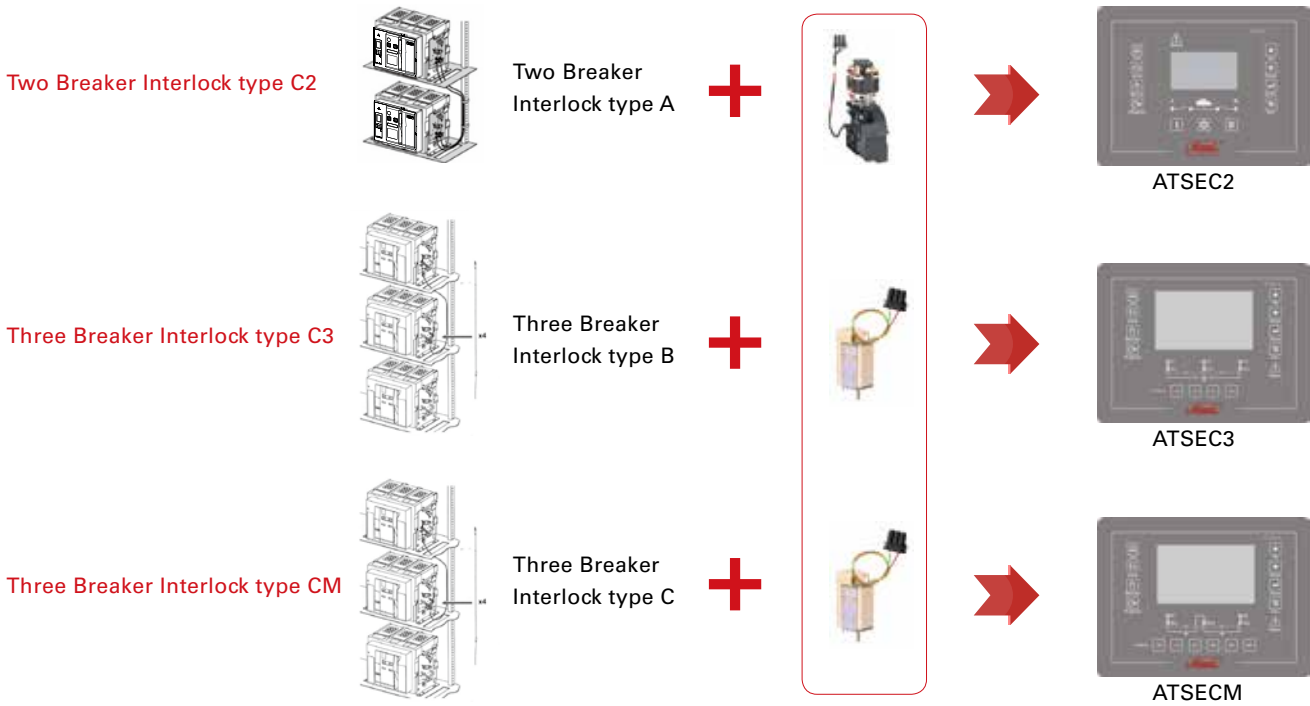


Three Breaker Interlock type CM

Interlock type A in which one of the two breakers (B1 or B2)can be switched ON. Each breaker must be equipped with a factory mounted interlock type A. Two cables are needed.



TS Controller + ACB + Mechanical Interlock



HDQ3HB Automatic Transfer Switch

GB14048.11 / IEC60947-6-1



Range Presentation

HDQ3HB is Himel 3 series range of CB type Automatic Transfer Switch, automatic transder the power supply between the normal power & standby power.

Standby power supply can be net power or generator.

Integrated with HDM3 series MCCB to provide over current protection, integrated or split type controllor available.

Application standard: GB14048.11/ IEC60947-6-1

Features

- ◆ 5 frame sizes: 63, 100, 250, 400, 630AF
- ◆ Rated current In (A): 16 - 630A
- ◆ Rated voltage AC Ue (V): 400/415, Poles: 3 & 4
- ◆ Integrated or split intelligent controllor
- ◆ HDM3 integrated with overload , short circuit protection

Ordering Code

Product	Frame Size	Breaker Capacity	Rated current	Pole	Controller
HDQ3HB	63	S	10	3	Z
HDQ3HB	63: 63AF 100: 100AF	S: 25kA	10: 10A 100: 100A	3: 3P 4: 4P	Default: Split Z: integrated
	250: 250AF 400: 400AF 630: 630AF	F: 50kA	250: 250A 630: 630A		

Order Information

Current shell frame	Conventional thermal current	Breaking capacity	CDQ3HB	
			3 poles	4 Ordering code
			Ordering code	Ordering code
63AF	10	S	HDQ3HB63S103Z	HDQ3HB63S104Z
	...		...	...
	63		HDQ3HB63S633Z	HDQ3HB63S634Z
100AF	16	S	HDQ3HB100S163Z	HDQ3HB100S164Z
	...		...	...
	100		HDQ3HB100S1003Z	HDQ3HB100S1004Z
250AF	100	F	HDQ3HB250F1003Z	HDQ3HB250F1004Z
	...		...	...
	225		HDQ3HB250F2253Z	HDQ3HB250F2254Z
	250		HDQ3HB250F2503Z	HDQ3HB250F2504Z
400AF	200	F	HDQ3HB400F2003Z	HDQ3HB400F2004Z
	...		...	...
	400		HDQ3HB400F4003Z	HDQ3HB400F4004Z
630AF	400	F	HDQ3HB630F4003Z	HDQ3HB630F4004Z
	...		...	...
	630		HDQ3HB630F6303Z	HDQ3HB630F6304Z

HDQ3HB Automatic Transfer Switch

GB14048.11 / IEC60947-6-1

Technical Parameters					
Model & Spec	HDQ3HB-63	HDQ3HB-100	HDQ3HB-250	HDQ3HB-400	CDQ3HB-630
Executive circuit breaker	HDM3-63	HDM3-100	HDM3-250	HDM3-400	HDM3-630
Number of poles	3、4				
Available standard	GB14048.11 / IEC60947-6-1				
Electrical level	CB-level				
Use category	GB14048.11 AC-33iB / IEC60947-6-1 AC-32B				
Electrical performance	HDQ3HB-63	HDQ3HB-100	HDQ3HB-250	HDQ3HB-400	HDQ3HB-630
Rated insulation voltage Ui (V)	690	800			
Rated impulse withstand voltage Uimp (kV)	6	8			
Rated operating voltage Ue (V)	400				
Conventional thermal current Ie (A)	10/16/20/25/32/40/50/63	16/20/25/32/40/50/63/80/100	100/125/140/160/180/200/225/250	200/225/250/315/350/400	400/500/630
Rated working frequency (Hz)	50				
Breaking capacity level	S	S	F	F	F
Rated short circuit breaking capacity Icn (kA)	25	25	50	50	50
Rated short circuit making capacity Icm (kA)	52.5	52.5	105	105	105
Mechanical life (cycles)	10000	10000	5000	5000	5000
Electrical life (cycles)	1500		1000		
Conversion time	≤3s				
EMC level	Environment B				
Sampling mode	Normal and standby three-phase sampling				
Control function					
Power grid (P) – Power grid (P)	■				
Power grid (P) – Generator (G)	■				
Auto operation mode – Auto power-on and auto reset	■				
Auto operation mode – Auto power-on but not auto reset	■				
Auto operation mode – Mutual backup	■				
Electric operation vis button	■				
Manual operation vis handle	■				
Remote transfer	■				
Normal and standby power state output	■ ²⁾				
Normal and standby power-on state output	■				
Normal and standby trip state output	■				
Fire dual-divided	■(Alarm lamps flash simultaneously)				
Generator startup	■				

HDGL Switch Disconnectors

Standard: IEC60947-3



Range Presentation

HDGL is Himel range of Switch Disconnectors used in power distribution system for isolation and switching.

Features

- ◆ For AC 50/60Hz systems
- ◆ Max. rated operating voltage: 690V
- ◆ Max. rated operating current: 3150A

Online Content



HDGL

Selection Code

Range name	Type	Frame current	Pole number	Shaft	Window	Rated current
HDGL	Z	160	3	J	K	100
HDGL	Default: Normal type Z: Overlap type ZC: Symmetric type	63: 63A 100: 100A 160: 160A 250: 250A 630: 630A 1600: 1600A 3150: 3150A	3: 3P 4: 4P	Default: no shaft J: External operation with extended shaft 300mm	Default: no window K: with observing window	16: 16A 25: 25A 32: 32A 40: 40A 63: 63A ... 2000: 2000A 2500: 2500A 3150: 3150A



Technical Parameters								
Switch Disconnectors	HDGL							
Utilization Category	AC-22B							
Conventional free air thermal current (A)	16 25 32 40 63	80 100	100 125 160	200 250	315 400	500 630	800 1000 1250 1600	2000 2500 3150
Power frequency withstand voltage (V)	2000							
Rated insulation voltage (V)	800							
Rated impulse with-stand voltage Uimp	12kV(2000m)							
Rated short-time withstand current (kA)	2		12		20	25	50	
Mechanical Endurance	8000				5000		3000	1000
Electrical Endurance	1500		200			100		

- Note:
- Default length of the extended shaft for external operation handle is 300mm, (500mm available on request).
 - Window: no window for 16-100A, and 125A-3150A can be manufactured with window
 - No auxiliary contact for 16-100A
 - Maximum rated current for symmetric type double-throw switch is 1600A

LOW VOLTAGE DISTRIBUTION

HDGL Switch Disconnectors

Standard: IEC60947-3

Accessories Selection Code



Standard Reference	Description
HDGL1600OF11	HDGL-100~1600A Auxiliary contact 1NO1NC
HDGL1600OF22	HDGL-100~1600A Auxiliary contact 2NO2NC
HDGL3150OF11	HDGL-2000~3150A Auxiliary contact 1NO1NC
HDGL3150OF22	HDGL-2000~3150A Auxiliary contact 2NO2NC
HDGLZ630OF11	HDGLZ-100~630A Auxiliary contact 1NO1NC
HDGLZ630OF22	HDGLZ-100~630A Auxiliary contact 2NO2NC
HDGLZ3150OF11	HDGLZ-800~3150A Auxiliary contact 1NO1NC
HDGLZ3150OF22	HDGLZ-800~3150A Auxiliary contact 2NO2NC
HDGLZC630OF11	HDGLZC-100~630A Auxiliary contact 1NO1NC
HDGLZC630OF22	HDGLZC-100~630A Auxiliary contact 2NO2NC
HDGLZC1600OF11	HDGLZC-800~1600A Auxiliary contact 1NO1NC
HDGLZC1600OF22	HDGLZC-800~1600A Auxiliary contact 2NO2NC
HDGL100J300	HDGL(Z)(C) 16~100A External operation handle with 300mm shaft
HDGL630J300	HDGL 100~630A External operation handle with 300mm shaft
HDGL3150J300	HDGL(Z)(C) 800~3150AF External operation handle with 300mm shaft
HDGL3150JB300	HDGL(Z)(C) 800~3150A External operation handle with 300mm shaft B type
HDGLZ630J300	HDGLZ(C) 100~630A External operation handle with 300mm shaft

LOW VOLTAGE DISTRIBUTION

HRT Fuses & Fuse Holders

Standard: EN60269



Range Presentation

HRT series is Himel range of Fuses. Our Fuses have the following types:

- HRT16: Knife-shape Contact Fuses
- HRT18: Cyliner Cap-shape Fuses

Features

- ◆ For HRT16 series:
 - The rating is between 2A to 630A, total 26 ratings
 - Five fuse models and four fuse holder models according to dimension difference
- ◆ For HRT18 series:
 - The rating is between 2A to 63A, total 13 ratings
 - Two kinds of materials for fuse holders: Resin and Nylon
 - Indicator can be a option for customers

Online Content



HRT16



HRT18

HRT16 Selection Code

Model	Fuse-link Type	Rated Operating Current
HRT16	000S	2
HRT16: HRT16 Fuse	000S: HRT16-00C 00: HRT16-00 1: HRT16-1 2: HRT16-2 3: HRT16-3	2: 2A 4: 4A 6: 6A ... 450: 450A 500: 500A 630: 630A
HRT16: HRT16 Fuse Holder	00: rated current is 160A 1: rated current is 250A 2: rated current is 400A 3: rated current is 630A	ZS: Resin Material



HRT18 Selection Code

Model	Fuse-link Type	Rated Operating Current
HRT18	1038	2
HRT18: HRT18 Fuse	1038: HRT18-32 1451: HRT18-63	2: 2A 4: 4A ... 63: 63A

Model	Rated Current	Pole Number	Indicatoor	Material
HRT18	32Z	2	X	B
HRT18: HRT18 commercial type Fuse Holder HRT18A: HRT18-A type Fuse Holder	32Z: 32A holder 63Z: 63A holder	Default 1P: HRT18A only has this model 2: 2P 3: 3P 4: 4P	Default: Without indicator X: With indicator	Default: Nylon (only available for 32A holder & only for HRT18A type) B: Resin: no 4P model



Technical Parameters		
Product Series	HRT16	HRT18
Rated operating current	2-630A	2-63A
Rated operating voltage	AC500/690V DC250/440V	AC380V-500V
Rated breaking capacity	120kA(500V) 50kA(690V)	100kA

POWER FACTOR CORRECTION



HDCAP3 Low-voltage Capacitor

NEW



HDCAP3

Rated Operating Voltage: AC 400V, 450V, 525V
Rated Capacity: 1~30kvar
Connection Type: Three-phase
Rated Frequency: 50Hz
Appearance: Cylinder
Inside Dipping Material: Polypropylene Metallized Film
Ambient Temperature: -25°C ~+50°C

061

HBSM Low-voltage Capacitor

NEW



HBSM

Rated Operating Voltage: AC 230V, 250V, 280V, 400V, 415V, 440V, 450V, 480V, 525V, 660V
Rated Capacity: 0.5~60kvar
Connection Type: Single-phase, three-phase, three-phase four-wire
Rated Frequency: 50Hz
Appearance: Box
Inside Dipping Material: Polypropylene Metallized Film
Ambient Temperature: -25°C ~+50°C

062

HJKL Reactive Power Compensation Controllers



HJKL

Sampling voltage: AC 380V/220V±15%
Sampling current: n/5A (I_s≤5A)
Output loops: 4, 6, 8, 10, 12 loops

064

HJKF Reactive Power Compensation Controller

NEW



HJKF

Rated operating voltage: AC400V (±15%)
Rated current: ≤5A
Output Loops: 12 loops
Four running output modes: circulate switching, coding switching, cut-on first and then cut-off, optimization switching
Frequency: 50 / 60Hz

065

HKSG Three-phase Serial Reactor

NEW



HKSG

Rated Operating Voltage: AC0.48kV, AC0.525kV
Detuning: 7% and 14%
Connection Type: Three-phase
Rated Frequency: 50Hz

066

HDC19s Capacitor Switching Contactor



HDC19s

Rated Operating Voltage: 380/400V
Frame Current: 25A, 32A, 43A, 63A, 95A, 115A
Poles: 3P
Rated Frequency: 50Hz, 50/60Hz
Coil Voltage: 24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V
Certificate: CE

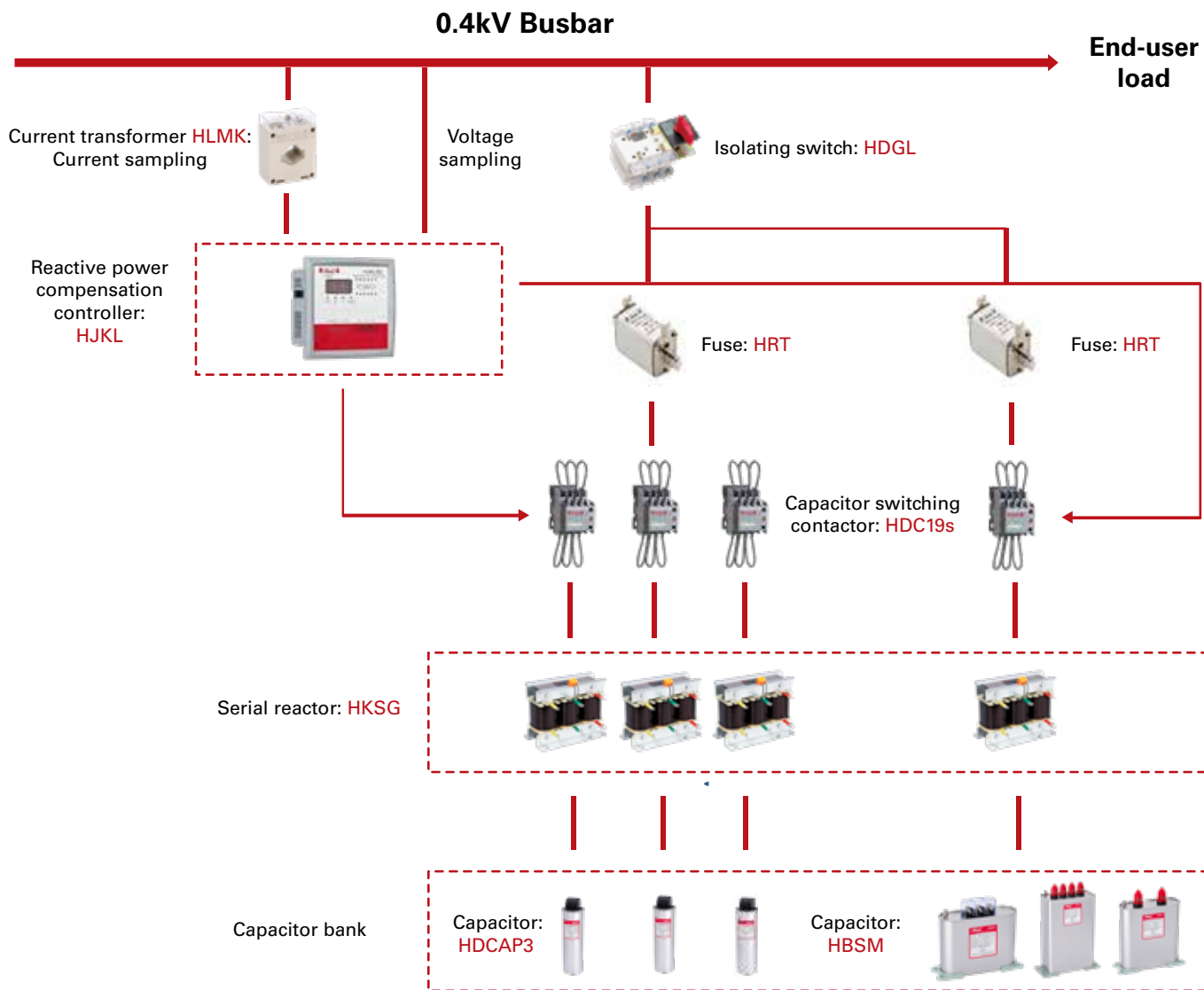
067

POWER FACTOR CORRECTION

Power Factor Correction Solution

Standard: IEC60947-4-1, IEC60947-5-1

Reactive Power Compensation Solution



System solution for reactive power compensation cabinet.

POWER FACTOR CORRECTION

HDCAP3 Low-voltage Capacitors

Standard: IEC60831



Range Presentation

Power Factor Correction capacitors with and without reactor form part of a comprehensive offer of products perfectly coordinated to meet low-voltage power distribution needs.

HDCAP3: Cylinder type

Features

- ◆ Low loss of medium and temperature with long serving time to save eletricity bill.
- ◆ Metallized Polypropylene technology with built-in SELF HEALING properties.
- ◆ Full specifications:
 - **HDCAP3**
Capacity: 1-30kvar
Voltage: 400V, 450V, 525V
Connection type: Three-phase

Online Content



HDCAP3

Selection Code

HDCAP3 series

Range name	Rated voltage	Rated compensation capacity	Compensation method
HDCAP3	400	5	3
HDCAP3: Cylinder type	0400: 400V 0450: 450V 0525: 525V	005: 5kvar 705: 7.5kvar 010: 10kvar 025: 25kvar 030: 30kvar	3: Three-phase compensation

Technical Parameters	
Low-voltage Capacitor	HDCAP3
Rated Voltage(AC)	400V, 450V, 525V
Rated Capacity	1-30kvar
Capacity deviation (μF)	0~+10% of the rated capacity
Loss angle tangent (tan)	At the rated power-frequency voltage, 20°C tan δ≤0.2%
Connection Type	Three-phase
Rated Frequency	50Hz
Ambient Temperature	-25°C ~+50°C
AC withstand voltage	Inter-electrode: 2.15Un/10s Between shell and phase: 3kV/10s
Allowable over-voltage (Un)	1.10 of rated voltage (not greater than 8h in 24h)
Allowable over-current (In)	1.43 of rated current
Altitude	≤2000m
Relative humidity	≤50% at 40°C ≤90% at 20°C
Appearance	Cylinder
Inside Dipping Material	Polypropylene metallized film
Self discharge characteristic	The residual voltage reduces to 50V or below from √ 2Un after 3 minutes in case of power failure
Standard	IEC60831

POWER FACTOR CORRECTION

HBSM Low-voltage Capacitors

Standard: IEC60831



Range Presentation

Power Factor Correction capacitors with and without reactor form part of a comprehensive offer of products perfectly coordinated to meet low-voltage power distribution needs.

HBSM: Box type

Features

- ◆ Low loss of medium and temperature with long serving time to save eletricity bill.
- ◆ Metallized Polypropylene technology with built-in SELF HEALING properties.
- ◆ Full specifications:
 - **HBSM: Capacity:** 0.5~60kvar
Voltage: 230V, 250V, 280V, 400V, 415V, 440V, 450V, 480V, 525V, 660V, 690V, 760V
Connection type: Single-phase, three-phase, three-phase four-wire
Housing type: D, M and Q

Online Content



HBSM

HBSM series

Range name	With or without reactor	Rated voltage	Rated compensation capacity	Compensation method	Housing type
HBSM	0	04500	0150	3	D
HBSM: Box type	0: Without reactor 1: With reactor	02300: 230V 02500: 250V 02800: 280V 04000: 400V 04150: 415V 04500: 450V 04800: 480V 05250: 525V 06900: 690V 07500: 750V 02303: 230√3V 02503: 250√3V 02803: 280√3V 04003: 400√3V	0005: 0.5kvar ... 0075: 7.5kvar ... 0100: 10kvar ... 0150: 15kvar ... 0200: 20kvar ... 0300: 30kvar ... 0400: 40kvar ... 0600: 60kvar	1: Single-phase compensation 3: Three-phase compensation 4: Three-phase four-wire compensation 3YN	D: D type M: M type Q: Q type

Technical Parameters	
Low-voltage Capacitor	HBSM
Rated Voltage(AC)	230V, 250V, 280V, 400V, 415V, 440V, 450V, 480V, 525V, 660V
Rated Capacity	0.5-60kvar
Capacity deviation (μF)	0~+10% of the rated capacity
Loss angle tangent (tan)	At the rated power-frequency voltage, 20°C tan δ≤0.2%
Connection Type	Single-phase, three-phase, three-phase four-wire
Rated Frequency	50Hz
Ambient Temperature	-25°C ~ +50°C
AC withstand voltage	Inter-electrode: 2.15Un/10s Between shell and phase: 3kV/10s
Allowable over-voltage (Un)	1.10 of rated voltage (not greater than 8h in 24h)
Allowable over-current (In)	1.43 of rated current
Altitude	≤2000m
Relative humidity	≤50% at 40°C ≤90% at 20°C
Appearance	Box
Inside Dipping Material	Polypropylene metallized film
Self discharge characteristic	The residual voltage reduces to 50V or below from √ 2Un after 3 minutes in case of power failure
Standard	IEC60831

HBSM Low-voltage Capacitors

Standard: IEC60831

HBSM Model Selection

	Single phase			Three-phase			Three-phase four-wire		
Voltage (kV)	0.4	0.45	0.525	0.4	0.45	0.525	0.23	0.25	0.28
5	D130	D130	D130	D130	D130	D130	D130	D130	D130
6	D130	D130	D130	D130	D130	D130	D130	D130	D130
7.5	D130	D130	D130	D130	D130	D130	D210	D210	D210
8	D130	D130	D130	D130	D130	D130	D210	D210	D210
10	D130	D130	D130	D130	D130	D130	D210	D210	D210
12	D185	D185	D185	D185	D185	D185	D210	D210	D210
14	D185	D185	D185	D185	D185	D185			
15	D185	D185	D210	D185	D185	D210	D290	D290	D290
16	D185	D185	D210	D185	D185	D210	D290	D290	D290
18	D210	D210	D210	D210	D210	D210	D290	D290	D290
20	D210	D210	D290	D210	D210	D290	M265	M265	M265
24	D245	D245	D290	D245	D245	D290	M265	M265	M265
25	D245	D245	D290	D245	D245	D290	Q210	Q210	Q210
28	D290	D290	D290	D290	D290	D290	Q210	Q210	Q210
30	D290	D290	M265	D290	D290	M265	Q210	Q210	Q210
35	M265	M265	M265	M265	M265	M265	Q240	Q240	Q240
40	M265	M265	Q210	M265	M265	Q210		Q240	Q240
45	Q210	Q210	Q210	Q210	Q210	Q210			Q240
50	Q210	Q210	Q210	Q210	Q210	Q210			
60	Q240	Q240	Q240	Q240	Q240	Q240			

HJKL Power Factor Correction Controllers

Standard: IEC60831



Range Presentation

HJKL is Himel range of reactive power compensation controllers, matching all kinds of capacitors in low-voltage system. It adopts MCU controlling to compute the phase difference between the fundamentals of current and voltage, enabling precise power factor measurement with quick response.

Features

- ◆ New control algorithm designed to reduce the number of switching operations and quickly attain the targeted power factor.
- ◆ Quick and simple mounting and wiring.
- ◆ Direct viewing of installation electrical information and capacitor condition.
- ◆ Direct reading and easy setup
- ◆ Alarm indication.

Online Content



HJKL

Selection Code

Range name	Sampling voltage	Output loops	Circuit type	Enclosure material
HJKL	2CM	4	DC	S
HJKL	2CM: 220V 5CQ: 380V	4: 4 loops 6: 6 loops 8: 8 loops 10: 10 loops 12: 12 loops	Default: AC circuit DC: DC 12V	S: Molded case

Technical Parameters		
Power Factor Correction Controllers	HJKL	
Category	Parameter value	Default Value
Sampling voltage	380V(HJKL5C)/ 220V(HJKL2C)±15%	
Sampling current	n/5A (Is≤5A)	
Frequency	50-60(Hz)	
Sensitivity	50mA	
Input threshold	lag 0.80-lead-0.82 adjustable step 0.01	0.95
Cut-off threshold	lead-0.80-lag0.82 adjustable step 0.01	-0.99
Loop setting	1-12 adjustable step 1	
Time setting	1s~120s adjustable step 1s	30s
Overvoltage setting	400~450V (HJKL5C) adjustable step 5V	430V
	235~260V(HJKL2C)adjustable step 5V	245V
Undervoltage protection	300V(HJKL5C) / 170V(HJKL2C)	
Undercurrent setting	0mA~500mA adjustable step 50mA	200mA (0 is for close)
COS display	Lead & Lag (0.00~0.99) resolution 0.01	
Working methods	Continuous working, circular switching	
Output loops	4, 6, 8, 10, 12 loops	
Capacity of output	Each group 5A, 220V resistive / 3A, 380V resistive	
IP grade	IP30 for cover	

POWER FACTOR CORRECTION

HJKF Power Factor Correction Controllers

Standard: IEC60051



Range Presentation

HJKF is Hime range of the reactive power compensation controller. It is a special controller used for three-phase low-voltage power grid. Automatic generation of multiple alarm events, which can remind users through nodes or sounds. Temperature adjustment function is involved in all models, which can save 1 pcs temperature-control regulator in capacitor cabinet. Harmonics detecting and protection functions are included as well. All parameters are protected by password to avoid any unexpected modifications.

Features

- ◆ Elegant LCD display with rich contents
- ◆ Wiring identification by manual assistance is included for easy wiring
- ◆ Current dotted terminal identification is included for easy wiring switch
- ◆ Output code can be arbitrary coding, and it can be compatible with various capacity configurations
- ◆ Four running output modes: circulate switching, coding switching, cut-on first and then cut-off, optimization switching
- ◆ Temperature control node included is easy to adjust ambient temperature of the reactive power compensation cabinet
- ◆ Alarm node included is easy for users to temperature control, remote monitoring and fault protection
- ◆ Built-in buzzer alarm function, and alarm events can be optional which will be convenient for users on-site to find abnormal cases
- ◆ RS485 port is for communication type model which can be arbitrary wiring without differentiating A and B. It's easy for users to do wiring with master computers.

Selection Code

Range Name	Sampling Voltage	Output Loops	Function
HJKF5C	V	12	Z
HJKF5C	V: 400V	12: 12 loops	Default: wiithout communication Z: Communication type

Technical Parameters	
Rated operating voltage	AC400V (±15%)
Frequency	50 / 60Hz
Rated current	≤5A
Sensitivity	≤50mA
Compensation method	Common three-phase compensation
Power loss	<5VA
Response time	1s~120s
Output capacity	220V/5A
Output loop number	12 loops
Hole size	113*113(mm)
Weight	<0.6kg

POWER FACTOR CORRECTION

HKSG Detuned Reactors

Standard: IEC60289



Range Presentation

Capacitors get easily affected and damaged by harmonic current, inrush current, and due to over voltage in the reactive power compensation system. Therefore, to avoid parallel resonance and the issue about amplified harmonic current, reactors need to be added in series along with the capacitors. Reactors are applied to avoid excessive amplification of power grid harmonics and resonance resulting from the connection of capacitor banks to prolong the service time of capacitors.

Features

- Reactors adopt three-phase three-column type structure:
- ◆ High-impact binder is applied (high-temperature tolerance) and no noise during the operation
 - ◆ Coils are tightly wound with enameled flat wires to ensure that coils of reactors do not vibrate during the operation(foil winding is used when current is more than 100A).
 - ◆ High efficiency and low loss

Online Content



HKSG

Selection Code

Model	Winding Material	RatedCcapacity of the Reactor	Rated Voltage of the Capacitor	Reactance Ratio
HKSG	L	1P0	G048	H7
	Default: Copper windings L: Aluminum windings	P6: 0.6kvar P7: 0.7kvar 1P0: 1kvar ... 9P8: 9.8kvar	G048: 480V G052: 525V	H7: 7% H14: 14%"

Technical Parameters	
Basic Information	HKSG Series
Rated Operating Voltage(AC)	AC0.48kV, AC0.525kV (others can be customized)
Reactance Ratio	7% and 14% (others can be customized)
Phase	Three-phase
Rated Frequency	50Hz
Withstand voltage grade	3000V / min
Overload ability	≤1.35 times
Temperature rise limitation	Coil temperature rise≤85K Winding temperature rise≤95K
Reactor noise	< 50dB
Insulation class	> F
IP grade	IP00
Altitude	≤ 2000m
Ambient temperature	-25℃ ~+50℃
Standard	IEC 60289

POWER FACTOR CORRECTION

HDC19s Capacitor Switching Contactors

Standard: IEC60947-4-1, IEC60947-5-1



Online Content



HDC19s

Range Presentation

HDC19s is Himel range of contactors dedicated for switching of capacitors. It is developed based on 3 series contactor with technology to reduce capacitor closing current impact on contactor contacts.

Features

- ◆ Current range covers from 25A to 115A
- ◆ Various auxiliary contact types can be seleted for different applications
- ◆ Manufactured on automated production line for better reliability.

Selection Code

Range name	Frame current	Auxiliary contact	Coil voltage	Frequency
HDC19s	25	11	M	5
HDC19s: Capacitor Switching Contactor	25: 25A 32: 32A 43: 43A 63: 63A 95: 95A 115: 115A	HDC19s-25~43A: 11: 1NO+1NC 20: 2NO+0NC 02: 0NO+2NC HDC19s-63~115A: 12: 1NO+2NC 21: 2NO+1NC	F: 110V S: 127V M: 220/230V U: 240V Q: 380/400V L: 415V X: 440V	5: 50Hz 7: 50/60Hz

Technical Parameters								
Capacitor Switching Contactors			HDC19s-25	HDC19s-32	HDC19s-43	HDC19s-63	HDC19s-95	HDC19s-115
Standard			IEC60947-4-1, IEC60947-5-1					
Certificate			CE					
Main circuit								
Rated operating voltage (Ue)		V	380/400					
Rated insulation voltage (Ui)		V	690					
Rated current of controlled capacitor	AC-6b 380V	A	17	23	29	43	63	87
Rated capacity of controlled capacitor (Qn: kvar)	Rated operating voltage of capacitor	AC-6b 220V	6	10	15	18	30	35
		AC-6b 380V	12	20	25	30	50	60
Rated conventional thermal current		A	25	32	43	63	95	125
Controlling capability of inrush current		A	≤35In			≤55In		
Mechanical endurance		10000 times	100					
Electrical endurance	AC-6b 380V	10000 times	15				12	
Operating frequency	AC-6b 380V	Times/h	300				120	
Coil								
Coil voltage (Us)		V	24,36,48,110,127,220/230,240,380/400,415,440					
Coil frequency		Hz	AC 50Hz & 50/60Hz					
Operating voltage		V	85%-110%Us					
Drop-out voltage		V	20%-75%Us					
Auxiliary Contact								
Auxiliary contact combination			11,20,02			12,21		
Rated conventional thermal current (Ith)		A	10					

Note: Parameters above are considered under three-phase system; for single-phase capacitor, please consult us.

MOTOR MANAGEMENT



HDC3 AC Contactors



HDC3

Rated current: 6-95A
Pole: 3P
* 120~630A available early 2021

070

HJX2-F 4P AC Contactors



HJX2-F 4P

Rated current: 115-800A
Pole: 4P

080

HDR3s Thermal Overload Relays



HDR3s

Frame rated current: 25, 38, 93A
Setting current: 0.1-93A
* 120~630A available early 2021

077

HDC17K Miniature AC Contactors



HDC17K

Rated current: 6-12A
Pole: 3P/4P

082

HJX2 4P AC Contactors



HJX2 4P

Rated current: 9-95A
Pole: 4P

078

HDZ3 Contactor Relays



HDZ3

Pole: 3P

084

MOTOR MANAGEMENT

HDP6 Motor Circuit Breakers



HDP6

Frame rated current: 32/80A
Setting Current : 0.1-0.16A,..., 24-32A, 40-80A

086

EXPERT Standard Variable Speed Drives



EXPERT Standard

Advanced General-Purpose Applications

092

HDS3 Magnetic Starters

NEW



HDS3

Frame current: 38A, 95A
Rated current: 09-95A
Protection level: IP54

088

SOLAR Variable Speed Drives

NEW



SOLAR

096

BASIC Series Variable Speed Drives

NEW



BASIC

Small & Simple General-Purpose Applications

091

SMART Pump Solar Variable Speed Drives

NEW



SMART Pump

Pumps, fans and chillers

098

MOTOR MANAGEMENT

HDC3 AC Contactors

Standard: IEC60947-4



Range Presentation

HDC3 is Himel 3 series range of contactors designed for Motor Control AC3 applications up to 630A .

HDC3 contactors are applicable to AC power systems 50Hz or 60Hz with rated operating voltage up to 690V.

HDC3 contactors can be combined with HDR3s thermal overload relays to form magnetic motor starters up to 630A.

Features

- ◆ 5 frame sizes: 25, 38, 95, 225, 630A
- ◆ Wide range of operating voltage from 70%~120% Us
- ◆ Full range of accessories for any type of application
- ◆ Can be combined with HDR3s thermal overload relay

Online Content



HDC3

Selection Code

Range name	Current specification	Reversible	Auxiliary contact	Coil voltage	Coil frequency
HDC3	06	N	11	M	5
06-95A	06: 06A 09: 09A 12: 12A 18: 18A 25: 25A 32: 32A 38: 38A 40: 40A 50: 50A 65: 65A 80: 80A 95: 95A	N: reversible AC Contact with mechanical interlock Default: AC Contact	06A: 01: 1NC 10: 1NO 09-95A: 11: 1NO+1NC	B: 24V C: 36V E: 48V F: 110V S: 127V M: 220/230V U: 240V Q: 380/400V L: 415V X: 440V	5: 50Hz 7: 50/60Hz
120-630A	120: 120A 160: 160A 185: 185A 225: 225A 265: 265A 330: 330A 400: 400A 500: 500A 630: 630A	Default: AC Contact	Default: 22: 2NO+2NC	F: 110V S: 127V M: 220V Q: 380V EHE7: 48-130V KUE7: 100-250V URE7: 250-500V EHE7: 48-130V KUE7: 100-250V URE7: 250-500V	Default: 5: 50Hz 7: 50/60Hz

Note: 265-630A only wide coil voltage ratings available (EHE7 , KUE7 , URE7)

HDC3 AC Contactors

Standard: IEC60947-4



Technical Parameter															
AC Contactors			HDC3												
Contactor model			06	09	12	18	25	32	38	40	50	65	80	95	
Main circuit characteristics															
Conversional thermal current(Ith), AC-1	380/400V	A	16	25	25	32	40	50	50	60	80	80	125	125	
Rated operating current (Ie), AC-3		A	6	9	12	18	25	32	38	40	50	65	80	95	
Rated operating power(Pe), AC-3	220/230V	kW	1.1	2.2	3	4	5.5	7.5	11	11	15	18.5	22	25	
	380/400V	kW	2.2	4	5.5	7.5	11	15	18.5	18.5	22	30	37	45	
	660/690V	kW	3	5.5	7.5	10	15	18.5	18.5	30	33	37	45	45	
Mechanical endurance		10k times	1200				1000			900			650		
Electrical endurance	AC-3	10k times	110					90					65		
Operation frequency		Times/hour	1200					600							
Number of poles			3P												
Rated insulation voltage(Ui)	V		690												
Maximum rated operating voltage(Ue)	V		660/690												
Certificate			CB, CE, SEMKO												
Coil															
Rated control circuit voltage(Us)	50Hz	V	24, 36, 48, 110, 127, 220/230, 240, 380/400, 415, 440												
	50/60Hz	V	24,36, 48, 110, 127, 220/230, 240, 380/400, 415, 440												
Allowable control circuit voltage(Us)	Operation	V	AC:70%~120% (vertical installation)												
	Drop-out	V	AC: 20%-75%												
Coil power	Actuation	VA	50	60			70			200			200		
	Holding	VA	6-9.5	6-9.5			6-9.5			15-20			15-20		
Main circuit terminal wiring capability															
Soft wire	1 wire	mm²	1...4				1.5...6			2.5..25			4...50		
	2 wire	mm²	1...4				1.5...6			2.5..16			4...25		
Hard wire	1 wire	mm²	1...4				1.5...6		1.5...10		2.5..25			4...50	
	2 wire	mm²	1...4				1.5...6		1.5...6		2.5..10			4...25	
Auxiliary contact															
Conventional thermal current(Ith)		A	10												
Rated operating voltage	AC	V	380												
	DC	V	220												
Rated control capacity	AC-15	VA	380												
	DC-13	W	33												

HDC3 AC Contactors

Standard: IEC60947-4



Main technical parameter												
AC Contactor			HDC3									
Contactor model			120	160	185	225	265	330	400	500	630	
Main Circuit Characteristic												
Conversional thermal current(Ith), AC-1	380/400V	A	200	200	275	275	315	380	450	630	700	
Rated operating current (Ie), AC-3		A	120	160	185	225	265	330	400	500	630	
Rated Operating Power(Pe), AC-3	220/230V	kW	37	45	55	63	75	90	132	160	200	
	380/400V	kW	55	75	90	110	132	160	220	250	355	
	660/690V	kW	80	100	110	110	165	220	300	350	450	
Mechanical Durabilities		10k times	600									
Electrical Durabilities	AC-3	10k times	120					80			60	
Operation Frequency		Times/hour	1200		600							
Number of Poles			3P									
Rated Insulation Voltage(Ui)		V	1000									
Maximum Rated Operating Voltage(Ue)		V	690									
Certificate			CB, CE, SEMKO									
Coil												
Rated Control Circuit Voltage(Us)	50Hz	V	110V,127V,220V,380V					-				
	50/60Hz	V	48-130V, 100-250V, 250-500V (AC-DC)									
Allowable Control Circuit Voltage(Us)	Operation	V	AC:85%-110% (vertical installation); AC-DC: 85%-110%									
	Drop-out	V	AC: 20%-75%; AC-DC: 10%-70%									
Coil Power	Actuation	VA	500			600			800			
	Holding	VA	78			18.5			18.5			
Main Circuit terminal Wiring Capability												
Soft Wire	1 wire	mm²	10~240									
	2 wire	mm²	10~75									
Hard Wire	1 wire	mm²	10-150					50-240				
	2 wire	mm²	10-75					50-240				
Auxiliary Contact												
Conventional Thermal Current(Ith)		A	10									
Rated Operating Voltage	AC	V	380									
	DC	V	220									
Rated Control Capacity	AC-15	VA	380									
	DC-13	W	33									

HDC3 AC Contactors

Standard: IEC60947-4



Technical Parameter													
AC Contactors	HDC3												
Contactor model		06	09	12	18	25	32	38	40	50	65	80	95
Thermal relay													
HDR3s thermal relay 6-95 A		HDR3s-25 P16 : 0.1-0.16A P25 : 0.16-0.25A 25 : 17-25A					HDR3s-38 32 : 23-32A 38 : 30-40A			HDR3s-95 40 : 30-40A 50 : 37-50A 93 : 80-93A			
Independent installation base		HJRS1D25J					HJRS1D38J			HJRS1D93J			
Accessorys													
Top auxiliary contact		2 Poles : HF4-11, HF4-20 , HF4-02 4 Poles : HF4-22, HF4-31 , HF4-13 , HF4-40 , HF4-40											
Side auxiliary contact		2 Poles : HFC6-11 , HFC6-20 , HFC6-02											
Air delayed head		Making time delay : HFT6-20 , HFT6-22 , HFT6-24 Breaking time delay : HFT6-30 , HFT6-32 , HFT6-34											
Mechanical interlock		HDC3 09-32 horizontal installation : HRF6-32 HDC3 40-95 horizontal installation : HRF6-95											
Spare coil		HX3 + Contact AF + Ue + Hz EXP : HX395M7 , HDC3 Coil 80-95A 220/230V 50/60Hz											

HDC3 AC Contactors

Standard: IEC60947-4



Technical Parameter										
AC Contactors	HDC3									
Contactor model HDC3		120	160	185	225	265	330	400	500	630
Thermal relay										
HDR3s thermal relay 120-630 A		HDR3s-185				HDR3s-630				
		95 : 75-95A				200F : 145-200A				
		135 : 105-135A				250F : 180-250A				
										
		185 : 150-185A				630F : 460-630A				
Accessories										
Top auxiliary contact		2 Poles : HF4-11, HF4-20 , HF4-02 4 Poles : HF4-22, HF4-31 , HF4-13 , HF4-40 , HF4-40								
Side auxiliary contact		2 Poles : HFC4-11								
Air delayed head		Making time delay : HFT6-20 , HFT6-22 , HFT6-24 Breaking time delay : HFT6-30 , HFT6-32 , HFT6-34								
Mechanical interlock		Consult us, available in 2021								
Spare coil		EXP : HX3225M, HDC3 Coil 120-225A 220VAC 50Hz HX3225KUE7, HDC3 Coil 120-225A 100-250VAC/DC 50/60Hz								

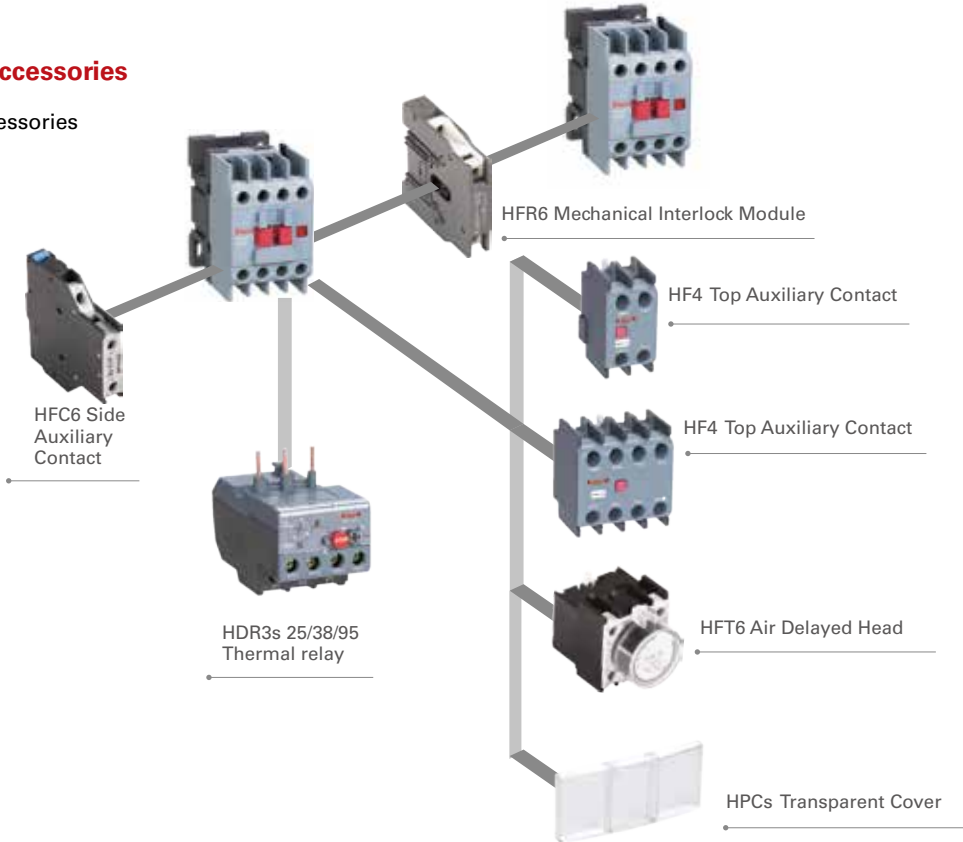
HDC3 AC Contactors

Standard: IEC60947-4

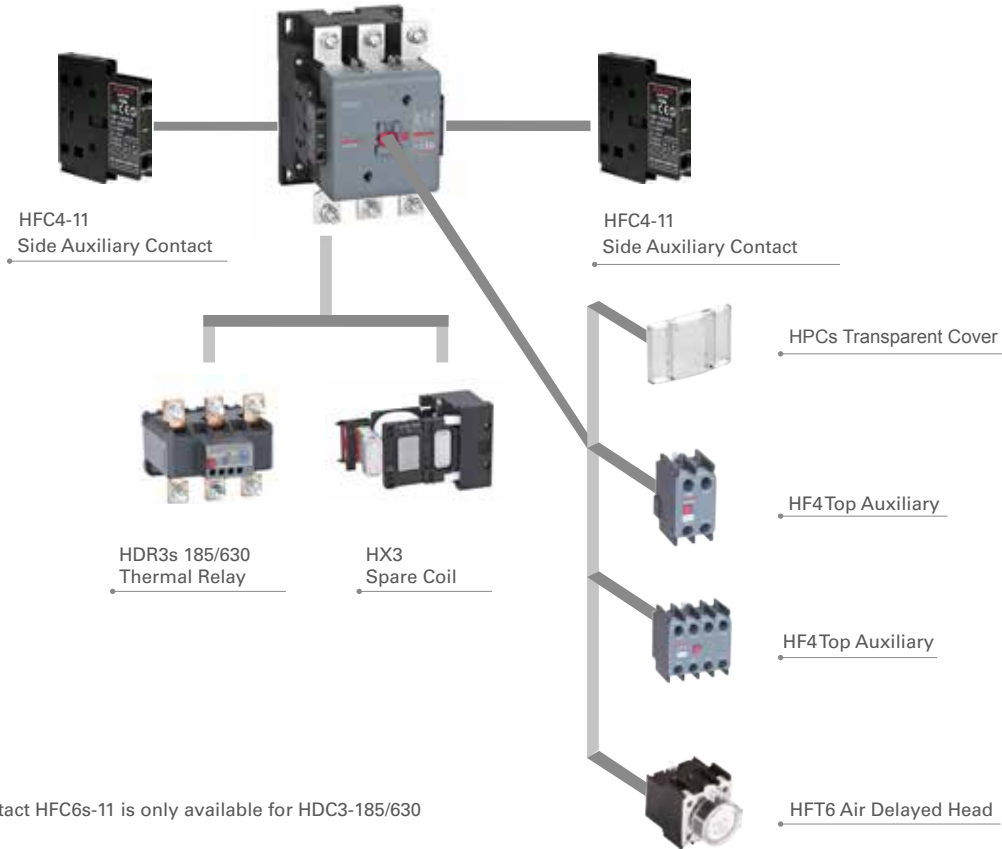


Overview of Accessories

HDC3 09-95A Accessories



HDC3 120-630A Accessories



Note:Side Auxiliary Contact HFC6s-11 is only available for HDC3-185/630

HDC3 AC Contactors

Standard: IEC60947-4



HDC3 6-95A & 120-630A Contactor Accessories

Transparent cover

Contactor Type	Reference
HDC3-6~38A/HDZ3	HPCs38
HDC3-40~65A	HPCs65
HDC3-80~630A	HPCs95

Auxiliary contact

Installation position	Pole	Auxiliary Contact NO	Auxiliary Contact NC	Contact point layout	Reference
Top	2	0	2		HF4 02
		1	1		HF4 11
		2	0		HF4 20
	4	0	4		HF4 04
		1	3		HF4 13
		2	2		HF4 22
		3	1		HF4 31
		4	0		HF4 40
		2	2		HFC6 02
			1		HFC6 11
			0		HFC6 20
Side	2	0	2		



Air Delayed Head

Installation Position	Delay type	Wiring diagram	Delay range	Reference
Top	Making time-delay		0.1-3s	HFT6 20
			0.1-30s	HFT6 22
			10-180s	HFT6 24
	Breaking time-delay		0.1-3s	HFT6 30
			0.1-30s	HFT6 32
			10-180s	HFT6 34



MOTOR MANAGEMENT

HDR3s Thermal Overload Relays

Standard: IEC60947-4



Range Presentation

HDR3s is Himel 3 series range of thermal overload relays designed to provide protection against overload, phase loss and current imbalance.

HDR3s thermal overload relays can be combined with HDC3 contactors into motor starter.

Features

- ◆ Frame Rating Current: 25, 38, 93 , 185 , 630A
- ◆ Setting Current: 0.1-630 A

Online Content



HDR3s

Selection Code

Range name	Frame size	Setting currents
HDR3s	25	P16
HDR3s	25: 25A	P16: 0.1- 0.16A 25: 17 - 25A
	38: 38A	32: 25 - 32A 40: 32 - 38A
	93: 93A	10: 7.0- 10A 93: 80 - 93A
	185: 185A	65: 48-65A 185: 150-185A
	630: 630A	200: 145-200A 630: 460-630A

Technical Parameters					
Thermal overload relay	HDR3s				
Main technical parameters					
Temperature compensation	-5°C~+40°C				
HDR3s Thermal Relay	25	38	93	185	630
Trip level	10A		10		10A
Rated insulation voltage(Ui) V	660V			690V	
Base	HJRS1D25J	HJRS1D36J	HJRS1D93J	-	-
Certificate	CB, CE, SEMKO				
Product features					
Overload protection	Yes				
Phase-failure protection	Yes				
Manual reset	Yes				
Automatic reset	Yes				
Stop button	Yes				
Test button	Yes				
Trip indication	Yes				
Tolerance on slope in any direction	±5°				
Auxiliary circuit 1NO+1NC					
Utilization category	AC-15			DC-13	
Rated frequency Hz	50/60		50/60		
Rated insulation voltage (Ui) V	500		500		500
Rated operating voltage (Ue) V	230		400		230
Rated operating current Ie A	1.57		0.90		0.14
Conventional thermal current Ith A	5		5		5
Wiring	1mm ²				

MOTOR MANAGEMENT

HJX2 4P AC Contactors

Standard: IEC60947-4



Range Presentation

HJX2 & HJX2F 4P AC contacto is Himel HJX series range of contactors designed for Motor Control AC3 applications up to 800A 690V.

HJX2 & HJX2F contactors are applicable to AC power systems 50Hz or 60Hz with rated operating voltage up to 690V.

HJX2 & HJX2F contactors can be combined with HDR3s thermal overload relays to provide overlaod protection.

Features

- ◆ Current specifications: 9-800A
- ◆ Pole: 4-pole
- ◆ Coil voltage: 24-440V
- ◆ Coil frequency: 50/60Hz

Online Content



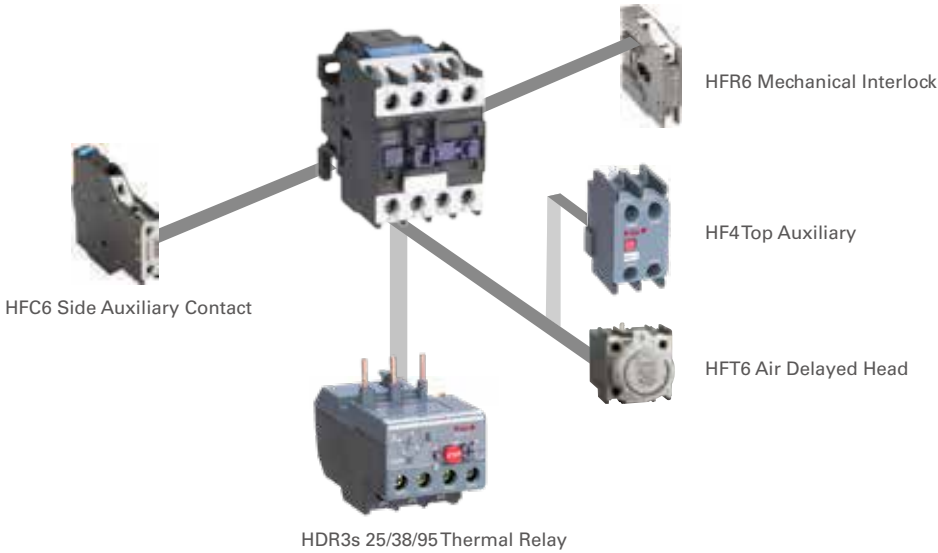
HJX2

Selection Code

Range name	Current specification	Main contact	Coil voltage	Coil frequency
HJX2	09	4	M	7
HJX2	09: 09A 95: 95A	04: 4NO+0NC 08: 2NO+2NC	B: 24V C: 36V E: 48V F: 110V S: 127V M: 220/230V U: 240V Q: 380/400V L: 415V X: 440V	7: 50/60Hz

Overview of Accessories

HJX2 4P AC Contactor 09-95A



MOTOR MANAGEMENT

HJX2 4P AC Contactors

Standard: IEC60947-4



Technical Parameters									
AC Contactors		HJX2-09	HJX2-12	HJX2-25	HJX2-40	HJX2-50	HJX2-65	HJX2-80	HJX2-95
Main circuit characteristics									
Maximum rated operating voltage (Ue)		690V							
Rated insulation voltage (Ui)		690V							
Rated impulse withstand voltage (Uimp)		8kV							
Conventional thermal current A		25	25	40	60	80	80	125	125
Rated Operating Current	380/400V AC-3 A	9	12	25	40	50	65	80	95
	660/690V AC-3 A	6.6	8.9	18	34	39	42	49	49
	380/400V AC-4 A	3.3	5	8.5	18.5	24	28	37	44
	660/690V AC-4 A	1.5	2	4.4	9	12	14	17.3	21.3
Rated power of controlled 3-phase cage motor	380/400V AC-3 KW	4	5.5	11	18.5	22	30	37	45
	660/690V AC-3 KW	5.5	7.5	15	30	33	37	45	45
	380/400V AC-4 KW	1.2	2.2	4	7.5	11	15	18.5	22
	660/690V AC-4 KW	1.1	1.5	4	7.5	11	11	15	18.5
Electric durabilities	AC-3 ×10 ⁴ operations	100	100	100	80	80	80	60	60
	AC-4 ×10 ⁴ operations	20	20	20	15	15	15	10	10
Mechanical durabilities ×10 ⁴ operations		1000	1000	1000	800	800	800	600	600
Operating frequency	AC-3 cycles/h	1200	1200	1200	600	600	600	600	600
	AC-4 cycles/h	300	300	300	300	300	300	300	300
Matched fuse		HRT16-25	HRT16-25	HRT16-50	HRT16-63	HRT16-80	HRT16-80	HRT16-125	HRT16-125
Cable connection cross section mm ²		1.5	1.5	4	10	16	25	35	
Certificate		SEMKO							
Coil									
Coil voltage(Us) V		AC 24V, 36V, 110V, 220V, 380V							
Operating voltage V		85%...110% Us							
Drop-out voltage V		20%...75% Us							
Coil power	Actuation VA	70	70	110	200	200	200	200	200
	Holding VA	9	9	11	24	24	24	24	24
	Heat dissipation W	2.7	2.7	4	10	10	10	10	10
Terminal wiring ability									
Flexible wire without terminal block	1pc(Section of connecting conduction mm ²)	1 - 4	1 - 4	1.5 - 6	2.5 - 25	2.5 - 25	2.5 - 25	4 - 50	4 - 50
	2pcs(Section of connecting conduction mm ²)	1 - 4	1 - 4	1.5 - 6	2.5 - 16	2.5 - 16	2.5 - 16	4 - 25	4 - 25
Flexible wire with terminal block	1pc(Section of connecting conduction mm ²)	1 - 4	1 - 4	1 - 6	2.5 - 25	2.5 - 25	2.5 - 25	4 - 50	4 - 50
	2pcs(Section of connecting conduction mm ²)	1 - 2.5	1 - 2.5	1 - 4	2.5 - 10	2.5 - 10	2.5 - 10	4 - 16	4 - 16
Fixed wire without terminal block	1pc(Section of connecting conduction mm ²)	1 - 4	1 - 4	1.5 - 6	2.5 - 25	2.5 - 25	2.5 - 25	4 - 50	4 - 50
	2pcs(Section of connecting conduction mm ²)	1 - 4	1 - 4	1.5 - 6	2.5 - 16	2.5 - 16	2.5 - 16	4 - 25	4 - 25
Auxiliary contact									
Rated thermal Current (Ith) A		10							
Rated operating Voltage (Ue)	AC V	400							
	DC V	220							
Rated control capacity	AC-15 VA	360							
	DC-13 VA	33							

MOTOR MANAGEMENT

HJX2-F 4P AC Contactors

Standard: IEC60947-4



Range Presentation

HJX2 & HJX2F 4P AC contactor is Himel range of contactors designed for Motor Control AC3 applications up to 800A 690V.

HJX2 & HJX2F contactors are applicable to AC power systems 50Hz or 60Hz with rated operating voltage up to 690V.

HJX2 & HJX2F contactors can be combined with HDR3s thermal overload relays to provide overlaod protection.

Features

- ◆ Current Specifications: 115-800A
- ◆ Pole: 4 poles
- ◆ Coil Voltage: 110-440V
- ◆ Coil Frequency: 50/60Hz

Online Content



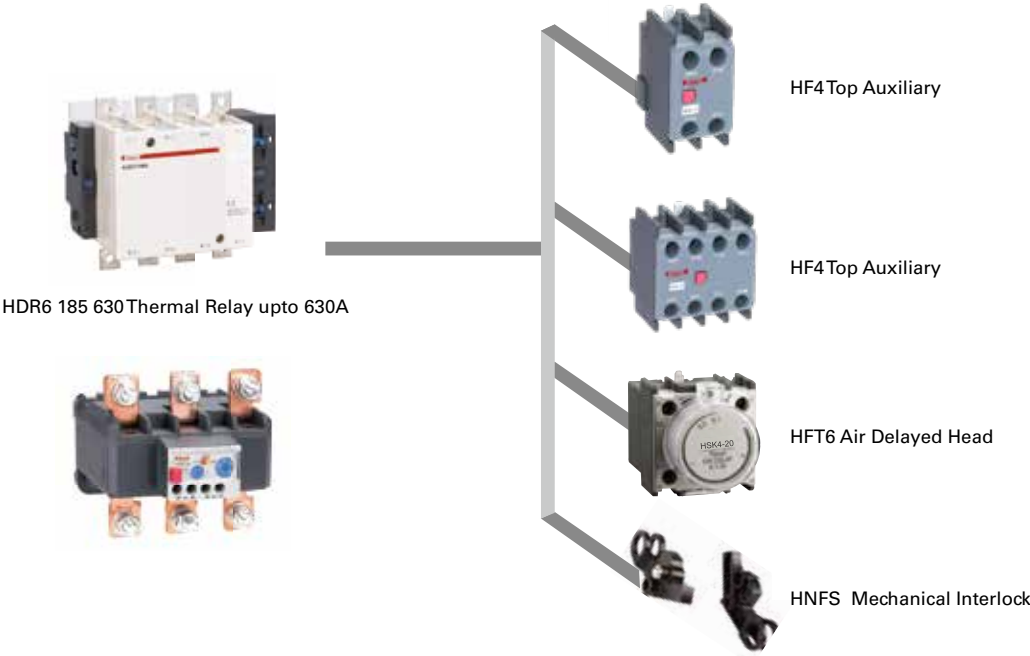
HJX2-F

Selection Code

Range name	Current specification	Main contact	Coil voltage	Coil frequency
HJX2F	115	4	M	7
HJX2F	115: 115A 150: 150A 800: 800A	4: 4NO+0NC	F: 110V S: 127V M: 220/230V U: 240V Q: 380/400V L: 415V X: 440V	7: 50/60Hz

Overview of Accessories

HJX2F 4P AC Contactor 115-800A



MOTOR MANAGEMENT

HJX2-F 4P AC Contactors

Standard: IEC60947-4



Technical Parameters											
AC Contactors		HJX2-F115	HJX2-F150	HJX2-F185	HJX2-F225	HJX2-F265	HJX2-F330	HJX2-F400	HJX2-F500	HJX2-F630	HJX2-F800
Main circuit characteristics											
Maximum Rated Operating voltage (Ue)		660/690V									
Rated Insulation Voltage (Ui)		690V									
Rated Impulse Withstand Voltage (Uimp)		8kV									
Conventional thermal current		200	250	275	315	350	400	500	630	800	800
Rated Operating Current	440V AC-3 A	115	150	185	225	265	330	400	500	630	800
	440V AC-4 A	52	60	79	85	105	117	138	147	188	195
	660V AC-3 A	86	107	118	135	170	235	305	355	460	493
	660V AC-4 A	49	57	69	82	98	107	135	145	170	175
	Ie max AC-1 Aθ≤40℃	200	250	275	315	350	400	500	630	800	800
Rated power of AC-3	220/240V	30	40	55	63	75	100	129	147	200	220
	380/400V	55	75	90	100	132	160	200	250	335	400
	415V	59	80	100	110	140	180	220	280	375	425
	440V	59	80	100	110	140	180	220	280	375	425
	500V	75	90	110	129	160	200	257	335	400	450
	660/690V	80	100	120	129	180	220	280	355	450	475
	1000V	65	65	100	140	147	160	185	335	450	450
Electric durabilities	AC-3 ×10 ⁻⁴ operations	60	60	50	50	50	50	30	30	20	15
	AC-4 ×10 ⁻⁴ operations	15	15	15	15	15	15	8	8	5	4
Mechanical durabilities	×10 ⁻⁴ operations	300	300	300	300	300	300	100	100	100	100
Operating frequency cycles/h	AC-1, AC-2, AC-3	600	600	600	600	600	600	300	300	300	300
	AC-4	150	150	150	150	150	150	150	150	150	150
Matched fuse	Model	HRT16-1	HRT16-1	HRT16-2	HRT16-2	HRT16-2	HRT16-3	HRT16-3	HRT16-3	HRT16-3	HRT16-4
	Rated current(A)	200	250	315	315	400	500	500	500	630	800
Cable connection cross section mm ²		95	120	150	185	240	240	2*150	2*240	2*60*5	2*60*5
Certificate		CE									
Coil											
Coil Voltage(Us)	V	110V, 220V, 230V, 240V, 380V, 400V, 415V, 440V									
Operating voltage	Pull in voltage V	85%...110% Us									
Drop-out voltage	Drop-out voltage AC V	20%...75% Us									
	Drop-out voltage DC V	10%...75% Us									
Average Coil Power	Actuation AC VA	855	855	1180	1180	700	700	1150	1150	1730	1730
	Holding AC VA	8.1	8.1	10.9	10.9	10	10	18	20	25	25
	Actuation DC VA	665	665	902	902	803	803	1140	1220	1920	1920
	Holding DC VA	4.83	4.83	5.07	5.07	4.53	4.53	7.5	8	12.5	12.5
	Heat Dissipation W	7.2	7.2	9.8	9.8	10.4	10.4	14	18	20	20
Terminal Wiring Ability - Main Circuit											
Wiring Bar	Bar quantity	2	2	2	2	2	2	2	2	2	2
	Dimensions	20×3	25×3	25×3	32×3	32×4	30×5	30×5	40×5	60×5	60×5
Wire With Lug Plate	mm ²	95	120	150	185	240	240	2×150	2×240	---	---
Wire With Coupler	mm ²	95	120	150	185	240	---	---	---	---	---
Fastening Torque	N.m	10	18	18	35	35	35	35	35	58	58

MOTOR MANAGEMENT

HDC17K Miniature AC Contactors

Standard: IEC60947-4



Range Presentation

HDC17K is Himel Miniature AC Contactor for Remote make & break of circuits

Frequent start and stop of small power motors

Features

- ◆ Current: 6-12A
- ◆ Pole: 3/4-pole
- ◆ Coil voltage: 24-400V
- ◆ Coil frequency: 50/60Hz

Online Content



HDC17K

Selection Code

Range name	Current specification	Main contact	Auxiliary contact	Coil voltage	Coil frequency
HDC17K	06	30	10	M	5
HDC17K	06: 06A 09: 09A 12: 12A	30: 3NO 40: 4NO 22: 2NO+2NC	10: 1NO 01: 1NC	B: 24V C: 36V F: 110V S: 127V M: 220/230V Q: 380/400V	7: 50/60Hz

Order Information

Motor P(kW) 380V	Rated current(A)	Main contact		Auxiliary contact		Reference
		NO	NC	NO	NC	
2.2	6	3	0	1	0	HDC17K63010*
		3	0	0	1	HDC17K63001*
		4	0	0	0	HDC17K64000*
		2	2	0	0	HDC17K62200*
4	9	3	0	1	0	HDC17K93010*
		3	0	0	1	HDC17K93001*
		4	0	0	0	HDC17K94000*
		2	2	0	0	HDC17K92200*
4	12	3	0	1	0	HDC17K123010*
		3	0	0	1	HDC17K123001*
		4	0	0	0	HDC17K124000*

HDC17K Miniature AC Contactors

Standard: IEC60947-4



Technical Parameters						
Miniature AC Contactors			HDC17-K06		HDC17-K09	HDC17-K12
Main circuit characteristics						
Rated operating current	380V/400V, AC-3	A	6	9	12	
	380V/400V, AC-4	A	2.6	3.5	5	
	660V/690V, AC-3	A	3.5	5	6	
	660V/690V, AC-4	A	1.2	1.5	2	
Rated operating voltage		V	220/230, 380/400, 660/690			
Rated insulation voltage		V	690			
Rated conventional thermal current		A	16	20	20	
Pole			3, 4			
Power of controlled 3-phase cage motor	220V/230V, AC-3	kW	1.5	2.2	3	
	380V/400V, AC-3	kW	2.2	4	5.5	
	660V/690V, AC-3	kW	3	4	4	
Electric endurance	AC-3	×10 ⁴ operations	100			
Operating rate		cycles/h	1200			
Electric endurance	AC-4	×10 ⁴ operations	20			
Operating rate		cycles/h	600			
Mechanical endurance		×10 ⁴ cycles	1000			
Matched Fuse			HRT16-16	HRT16-20		
Cable connection	Inflexible cable	number of piece	2			
	Cross Section of Cable	mm ²	4			
Certificate			CB, CE			
Coil						
Coil voltage(Us)		V	AC 24V,36V,110V,127V,220/230V,380/400V			
Operating voltage		V	85%~110% Us			
Drop-out voltage		V	20%~75% Us			
Inrush		VA	30			
Auxiliary contact						
Rated conventional thermal current		V	690			
Rated insulation voltage		A	10			
Rated operating current		A	0.95			
Control capacity	380V, AC-15	A	0.15			
	220V, DC-13	VA	360			
	AC-15	W	33			
	DC-13					

HDZ3 Contactor Relays

Standard: IEC60947-4



Range Presentation

HDZ3 is Himel 3 series range of contactor relays design for industrial control applications.

HDZ3 contactor relays are suitable for AC and DC 50/60Hz control circuits.

Features

- ◆ For both DC and AC 50/60Hz control circuits
- ◆ 3 poles, similar design as HDC3 contactor
- ◆ 4 contacts with different NO+NC combinations
- ◆ Wide range of coil voltages 24V-440V

Online Content

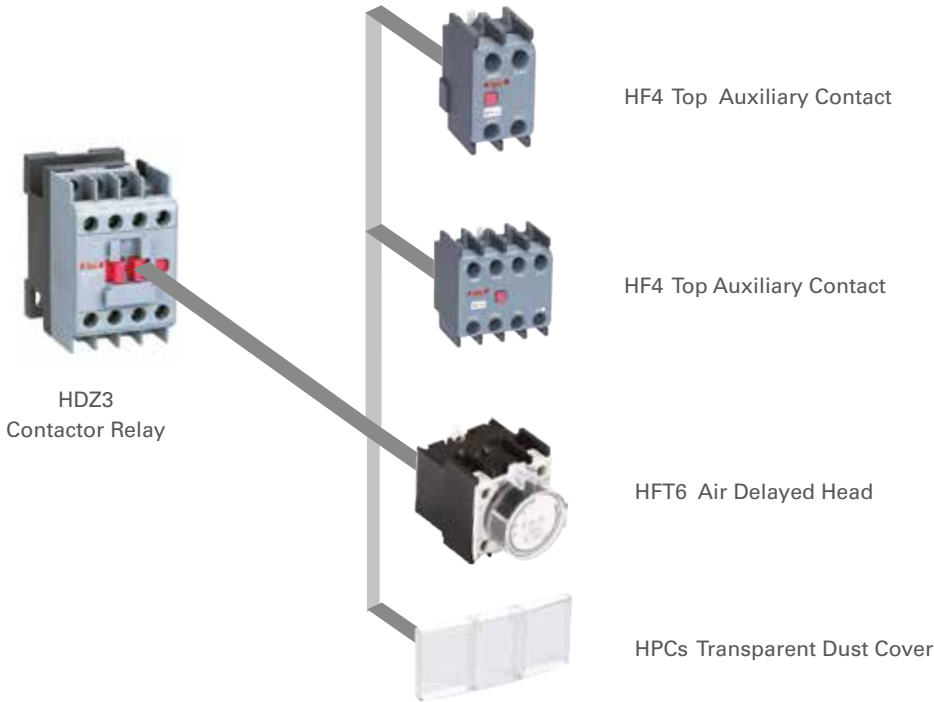


HDZ3

Selection Code

Range name	Main contact	Coil voltage	Coil frequency
HDZ3	22	M	5
HDZ3	22: 2NO+2NC 31: 3NO+1NC 40: 4NO+0NC 13: 1NO+3NC 04: 0NO+4NC	B: 24V C: 36V E: 48V F: 110V S: 127V M: 220/230V U: 240V Q: 380/400V L: 415V X: 440V	5: 50Hz 7: 50/60Hz

Overview of Accessories



HDZ3 Contactor Relays

Standard: IEC60947-4



Technical Parameters		
Contactor Relays		HDZ3
Rated insulation voltage (Ui)	V	690
Conventional thermal current (Ith)	A	10
Rated operating current (Ie)	A	AC-15 380V: 0.95
		DC-13 220V: 0.15
Contact combination		2NO+2NC, 3NO+1NC, 4NO+0NC, 1NO+3NC, 0NO+4NC
Electrical endurance	10,000 times	110
Mechanical endurance	10,000 times	1100
Operating frequency	times/Hour	1200
Rated control circuit voltage(Us)	50Hz	24, 36, 48, 110, 127, 220/230, 240, 380/400, 415, 440
	50/60Hz	24, 36, 48, 110, 127, 220/230, 240, 380/400, 415, 440
Operating voltage range	V	AC 85%...110% Us
Drop-out voltage range	V	AC 20%...75% Us
Certificate		CE, CB, SEMKO

HDP6 Motor Circuit Breakers

Standard: IEC60947-4



Range Presentation

HDP6 Motor Control & Protection range is meant to help optimize and secure your installation from HVAC to small Genset applications. It also helps your packaging or pumping businesses to run on a reliable product.

The range covers application up to 32A including wide range of voltage from 230V up to 690V

Features

- ◆ Frame Current: 32A, 80A
- ◆ Setting Current: 0.1-32A, 25-80A

Online Content



HDP6

Selection Code

Range name	Frame size	Setting currents
HDP6	32	P16
HDP6	32: 32A	P16: 0.1-0.16A 32: 24-32A
HDP17Z	80: 80A	40: 25-40A 63: 40-63A 80: 56-80A

Order Information

Thermal release Setting current	Magnetic release Current Id	400/415V, 50/60Hz, AC-3 Rated operating power	Recommended Contactor	Reference
0.1-0.16A	1.5A	-	HDC3-0911	HDP632P16
0.16-0.25A	2.4A	0.06kW	HDC3-0911	HDP632P25
0.25-0.4A	5A	0.09kW	HDC3-0911	HDP632P4
0.4-0.63A	8A	0.12kW	HDC3-0911	HDP632P63
0.63-1A	13A	0.25kW	HDC3-0911	HDP6321
1-1.6A	22.5A	0.37kW	HDC3-0911	HDP6321P6
1.6-2.5A	33.5A	0.75kW	HDC3-0911	HDP6322P5
2.5-4A	51A	1.5kW	HDC3-0911	HDP6324
4-6.3A	78A	2.2kW	HDC3-0911	HDP6326P3
6-10A	138A	4kW	HDC3-0911	HDP63210
9-14A	170A	5.5kW	HDC3-1211	HDP63214
13-18A	223A	7.5kW	HDC3-1811	HDP63218
17-23A	327A	9kW	HDC3-2511	HDP63223
20-25A	327A	11kW	HDC3-2511	HDP63225
24-32A	416A	15kW	HDC3-3211	HDP63232
25-40A	480A	16kW	HDC3-4011	HDP17K8040
40-63A	756A	20kW	HDC3-6511	HDP17K8065
56-80A	960A	25kW	HDC3-8011	HDP17K8080

MOTOR MANAGEMENT

HDP6 Motor Circuit Breakers

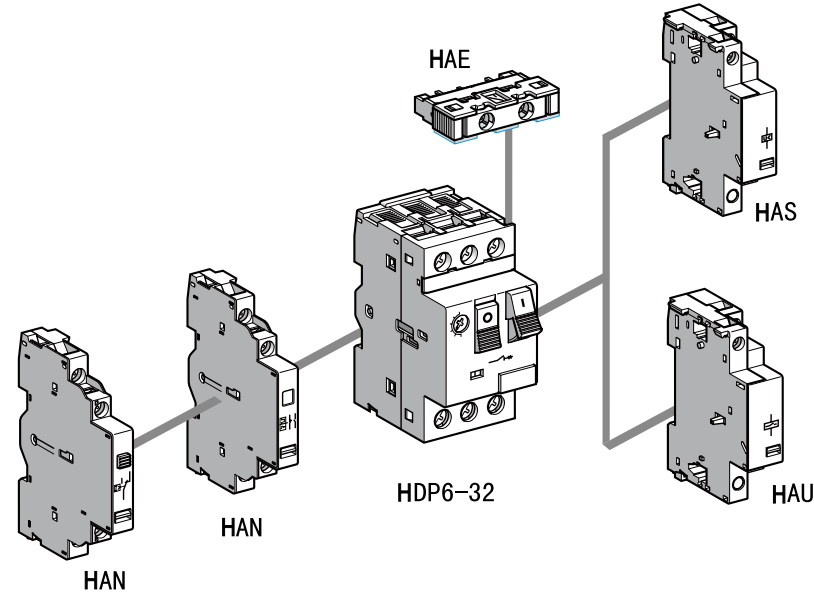
Standard: IEC60947-4



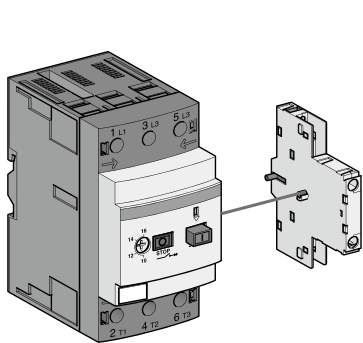
Technical Parameters		
Motor Circuit Breakers	HDP6-32	HDP17Z-80
Operation mode	Button operated	
Frame current	32A	80A
Rated impulse withstand voltage	6000V	
Maximum rated operating voltage	690V	
Rated insulation voltage	400/690V	
Rated operating frequency	50/60Hz	
Trip class	10A	
Fastening torque	1.7N • m	4 N • m
Mechanical durabilities	100,000	
Electrical durabilities AC-3 400V	100000	
Overload protection category	Thermal Overload Protection Open-phase Protection	
Short circuit protection	Yes	
Isolation function	Yes	
Temperature compensation function	Yes	
Accessories	Side Auxiliary Contact Top Auxiliary Contact Shunt release	Side Auxiliary Contact
Certificate	CE, SEMKO	

Overview of Accessories

HDP6-32



HDP17Z-80



MOTOR MANAGEMENT

HDS3 Magnetic Starters

Standard: IEC60947-4



Range Presentation

HDS3 is Himel 3 series range of Magnetic Starter mainly used for AC 50/60Hz control system and maximum rated working voltage up to 660V. Direct start and stop of three-phase squirrel cage induction motor with maximum rated working current up to 95A under AC-3 using type, and overload protection is provided for the motor.

Features

- ◆ Frame size 38 with plastic housing
- ◆ Frame size 18/38/95 with metal housing
- ◆ IP54 Protection level
- ◆ With HDC3 series contactor and HDR3s series thermal relay

Online Content



HDS3

Selection Code

Range name	Frame size	Operation type	Rated current	Coil voltage	Coil frequency	Thermal relay	Housing
HDS3	38	B	09	M	7	P16	
HDS3	18: 18A	B: with push button	09: 9A 12: 12A 18: 18A 25: 25A 32: 32A 38: 38A	C: 36V F: 110V S: 127V M: 220/230V Q: 380/400V L: 415V X: 440V	7: 50/60Hz	P16: 0.1-0.16A 1P6: 1.0-1.6 A 93: 80-93A	Default: Plastic M: Metal
	38: 38A						
	95: 95A		40: 40A 50: 50A 65: 65A 80: 80A 95: 95A				Default: M: Metal

Note: Please refer to P(89) for detailed order information.

Technical Parameters														
Magnetic Starters		HDS3-18 Metal			HDS3-38 Metal			HDS3-95 Metal						
		HDS3-38 Plastic												
Rated operatiing current (Ie) AC-3		9A	12A	18A		25A	32A	38A	40A	50A	65A	80A	95A	
Maximum motor power kW (AC-3,380V)		4	5.5	7.5		11	15	18.5	18.5	22	30	37	45	
Horse power hp (AC-3,380V)		5.4	7.4	10.1		20.1	24.8	40.2	40.2	44.2	49.6	60.4	60.4	
Mechanical endurance	10 thousand times	1200				1000			900			650		
Electrical endurance AC-3	10 thousand times	110								90			65	
Operation frequency AC-3 time/h		1200								600				
Rated insultaion voltage (Ui)		690V												
Rated operating voltage (Ue)		240V, 380V/400V, 440V, 660V												
Rated control circuit voltage (Uc)		36V, 110V, 127V, 220/230, 380/400, 415V, 440V												
Coil frequency		50/60Hz												
Operation type		With Pushbutton												
IP grade		IP54												
Certificate		CE, SEMKO												
Standard		IEC 60947-4-1												
Environmental requirement	Altitude	2000m												
	Ambient temperature	-5°C ~ +40°C												
	Storage temperature	-25°C ~ +70°C												
	Installation position	The inclination to the vertical plane does not exceed ±5°												
	Rated withstand voltage	6kV												
	Humidity requirement	The atmospheric relative humidity does not exceed 50% when the highest ambient temperature is +40°C. It is allowed to have a higher humidity under lower temperature, e.g. up to 90% at +25°C and the dew on the product due to the temperature change should be taken into consideration.												
	Installation condition	a. In a medium where is no explosion danger, and the medium has no place where can corrode matal and damage insulated gas and conductive dust; b. In a place where has snow-proof equipment and lack of water vapour; c. In a place without significant shock andd vibration.												

MOTOR MANAGEMENT

HDS3 Magnetic Starters

Standard: IEC60947-4



Order Information

Motor power pe (KW,AC-3, 380V)	Rated current (A)	Frame size		Setting current (A)		AC Contactor type	Thermal overload relay type	Order reference with pushbutton				
		HDS3		Range	Code	HDC3	HDR3s					
	9	HDS3-18 Metallic		0.1~0.16	P16	HDC3-9A	HDR3s-25	HDS318B09*7P16M /HDS338B09*7P16				
				0.16~0.25	P25			HDS318B09*7P25M /HDS338B09*7P25				
				0.25~0.4	P4			HDS318B09*7P4M /HDS338B09*7P4				
				0.4~0.63	P63			HDS318B09*7P63M /HDS338B09*7P63				
				0.63~1	01			HDS318B09*701M /HDS338B09*701				
0.37				1~1.6	1P6			HDS318B09*71P6M /HDS338B09*71P6				
0.75				1.6~2.5	2P5			HDS318B09*72P5M /HDS338B09*72P5				
1.5				2.5~4	04			HDS318B09*704M /HDS338B09*704				
2.2				4~6	06			HDS318B09*706M /HDS338B096*706				
3	12	HDS3-38 Plastic		5.5~8	08	HDC3-12A	HDR3s-38	HDS318B09*708M /HDS338B09*708				
4				7~10	10			HDS318B12*710M /HDS338B12*710				
5.5	9~13			13	HDC3-18A			HDS318B18*713M /HDS338B18*713				
7.5	12~18			18	HDC3-25A			HDS338B25*718M /HDS338B25*718				
11	17~25			25				HDS338B25*725M /HDS338B25*725				
15	32							23~32	32	HDC3-32A	HDS338B32*732M /HDS338B32*732	
18.5	38							30~40	38	HDC3-38A	HDS338B38*740M /HDS338B38*740	
18.5	40			HDS3-95 Metallic				30~40	40	HDC3-40A	HDR3s-93	HDS395B40*740
22	50							37~50	50	HDC3-50A		HDS395B50*750
30	65	48~65	65			HDC3-65A	HDS395B65*765					
37	80	63~80	80			HDC3-80A	HDS395B80*780					
45	93A	80~93	93			HDC3-95A	HDS395B95*793					

Himel

Variable Speed Drives (VSD)

Himel variable speed drives offer you a wide range of fully tested and ready-to-connect motor control possibilities. From simple pump and fan applications to complex, high-performance machines, we have a reliable affordable drive for you, no matter what you need.

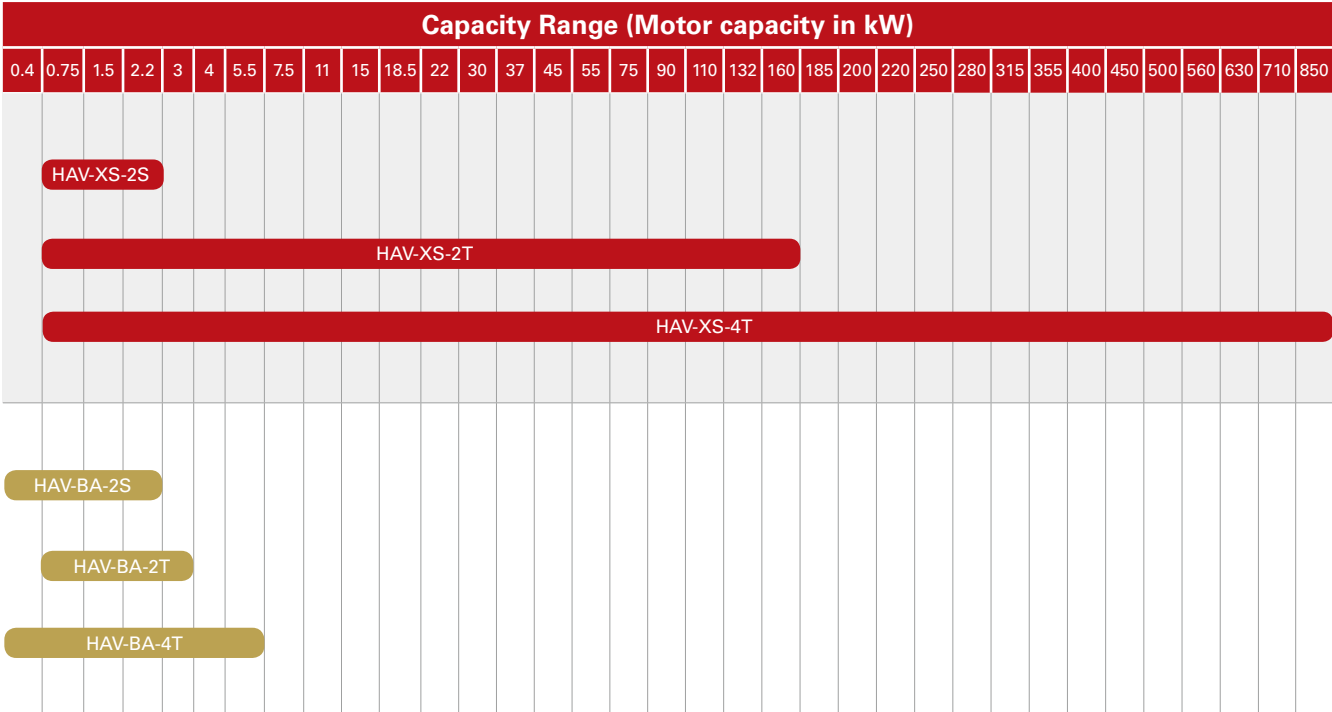
- High Performance
- Improved Energy Savings
- Multitude of Function
- Easy to Use
- Longer Lifetime



General Purpose Variable Speed Drives



Range Selection



BASIC Range

Range Presentation

Himel BASIC range variable speed drives (VSDs) are for single phase/three phase asynchronous motors from 0.4 kW to 5.5 kW. Designed for your small machines and simple general purpose applications like pumps, fans, carving machines etc. Himel BASIC VSDs are designed to focus on essential needs in terms of hardware and software. It is a high performance economical range.

Features

- ◆ Economical range
- ◆ Easy to use
- ◆ Robust design
- ◆ Embedded protection and communication functions
- ◆ Built in PLC

Online Content



Basic

Selection Code



Series name	Input	Power range	Drive type
HAVBA	4T	0007	G
HAVBA: BASIC	2: 200-220V 4: 380V – 440V S: Single-phase T: Three-phase	0004: 0.4kW 0007: 0.75kW 0015: 1.5kW 0022: 2.2kW 0037: 3.7kW 0040: 4.0kW 0055: 5.5kW	G: Heavy Duty

General Purpose Variable Speed Drives



EXPERT Standard

Range Presentation

Himel EXPERT Standard range variable speed drives are for single/three phase asynchronous motors from 0.75kW to 850kW. EXPERT Standard is designed for advanced machines and advanced general purpose applications like material handling, wood machines, process machines, textile machines and packaging etc.

Features

- ◆ Advanced functions and performances
- ◆ Embedded EMC filter
- ◆ Built-in braking unit
- ◆ Embedded protection and communication functions
- ◆ Different communication protocols options

Online Content



EXPERT Standard

Selection Code



Range name	Input	Power range	Drive type	Range	Drive type
HAVXS	4T	0007	G	0015	P(W)
HAVXS: EXPERT Standard	2: 200-240V 4: 380V – 440V S: Single-phase T: Three-phase	0007: 0.75kW 0015: 1.5kW 0022: 2.2kW 7100: 710kW 8500: 850kW	G: Heavy Duty	0055: 5.5kW 0075: 7.5kW 0110: 11kW 7100: 710kW 8500: 850kW	P: Normal Duty W: Wall Mounted



Target Application		Small & Simple General Purpose Applications	P&F & Advanced General Purpose Applications
Range Name		BASIC	EXPERT XS
Capacity range	Single phase 200V Class	200V(-15%)-220V(+10%) 0.4~2.2kW	200V(-15%)-220V(+10%) 0.75~2.2kW
	Three phase 200V Class	—	200V(-15%)-240V(+10%) 0.75~160kW
	Three phase 400V Class	380V(-15%)-440V(+10%) 0.4~5.5kW	0.75~450kW [380V (-15%)~440V (+10%)] 500kW ~ 850kW (380V -15% +10%)
Frequency	Input frequency	50/60Hz	
	Output frequency	0-599Hz	0 - 550Hz
Overload capacity	Normal Duty	—	120% for 1min, 150% for 1s, 180% instant protection
	Heavy Duty	150% for 1min, 180% for 1s, 200% instant protection	150% for 1min, 180% for 3s, 200% instant protection
Control method	V/f	√	√
	Sensor less vector control		√
	Eco-mode control	√	√
Start torque		0.5Hz, 150%	
Inbuilt PID		√	√
Keypad		Fixed	Pluggable
Display		Single row LED	Double row LED
Multispeed control		Up to 16 stages in one cycle	

General Purpose Variable Speed Drives



Target Application		Small & Simple General Purpose Applications	P&F & Advanced General Purpose Applications
Range Name		BASIC	EXPERT XS
I/O	DI1-DI4	NPN/PNP, Input: 9-30VDC	
	DI5	NPN/PNP, Input: 15-30VDC, Pulse input: max. 50kHz	
	DO1	9-30VDC, max. 50mA	
	DO2	9-30VDC, max. 50mA Pulse output max. 50kHz	
	AI1	V: 0-10V I: 0-20mA Resolution: 1/1000	V: 0-10V I: 0-20mA Resolution: 1/1000
	AI2	V: 0-10V Resolution: 1/1000	
	AO1	V:0-10V	
	AO2	V:0-10V I: 0-20mA	V:0-10V I: 0-20mA
	RO(Ta, Tb, Tc)	NO: 24VDC 3A / 250VAC 5A NC: 24VDC 3A / 250VAC 3A	
Inbuilt communication (Max. speed)		RS485, Modbus RTU (38.4kbps)	
Options	Extension I/O	—	DI/DO/AI/AO/RO/PT100/PT1000
	Extension keypad	Support, cable length:2m, 5m	
Installation Way		Wall mounted, cabinet, din-rail	Wall mounted, cabinet, flange installation
Dust Shields		—	Optional
EMC Filter		—	External card available (≥ 30kW)
Braking unit		Built-in	Built-in (≤ 22W)
Environment	Operation temperature	-10-40℃ no capacity reduction, 40℃ -50℃ capacity reduction	
	Humidity	≤90%RH	
	Altitude	≤1000m, no capacity reduction	
	IP level	IP20	
Standards		EN 61800-3: 2004 +A1: 2012 +A1: 2012, EN 55011: 2016+A1: 2017, EN 61000-6-2: 2005, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 61000-4-2: 2009, EN 61000-4-3: 2006+A1: 2008+A2: 2010, EN 61000-4-4: 2012, EN 61000-4-5: 2014, EN 61000-4-6: 2014, EN 61000-4-8: 2010, EN 61000-4-11: 2004	
Certificates		CE	CE
Features	Velocity ratio	1:100	
	Frequency precision	Digital setting: Max frequency X ±0.01% Analog setting: Max frequency X ±0.2%	
	Frequency resolution	Digital setting :Max frequency X ±0.01% Analog setting: Max frequency X ±0.1%	
	Torque rise	Integrated auto-torque rising function	
	V/F control curve	Linear, Square, V ^{1/2} /F, V ^{1/2} /F	
	Acceleration/Deceleration Time	4 types of ACC/DEC time selection; optional time unit selection (Min/s); setting range: 0~60hours;	
	DC braking	Start frequency: 0.00~60.00Hz; braking time: 0.0~30.0s; braking current: 0.0~100%	
	Automatic voltage regulation(AVR)	√	
	Auto current limitation	√	
	Auto PWM adjustment	√	
Protection	Prevent mis operation	—	√
	Protection function	Over-current, over-voltage, under-voltage, over-heat, over-load, short circuit.	
	Cooling	Air-cooling	
Warranty		24 months	

General Purpose Variable Speed Drives



Accessories Selection

Category	Type	Range	Commercial Reference	Short Description	Applicable Product		Pictures
					Applicable Commercial Reference	Specifications	
ADD-ON	EMC filter card	Expert XS	HAV-XS-4T0370G-FL HAV-XS-4T0550G-FL HAV-XS-4T1850G-FL	Simple EMC filter	HAV-XS-4T0300G-0370P ~ HAV-XS-4T0370G-0450P HAV-XS-4T0450G-0550P ~ HAV-XS-4T0550G-0750P HAV-XS-4T0750G-0900P ~ HAV-XS-4T1850G-2000P	4T*: 30 - 37kW 4T*: 45 - 55kW 4T*: 75 - 185kW	
	IO extension card	Expert XS	HAV-XS-IO-3DI-R	IO extension card with 3 Di and 1 relay	HAV-XS-4T0007G ~ HAV-XS-4T2800G-3150P	4T*:0.4kW - 280kW	
Dust Preventive Accessories	Dust cover	EXPERT XS	HAV-XS-FCB	Dust prevention cover	HAV-XS-2S0007 ~ HAV-XS-2S0022G HAV-XS-2T0007G ~ HAV-XS-2T0220G-0300P HAV-XS-4T0007G ~ HAV-XS-4T0220G-0300P	2S*: 0.75 - 2.2kW 2T*: 0.75 - 22kW 4T*: 0.75 - 22kW	
		BASIC BA	HAV-BA-4T0040		HAV-BA-2S0022G HAV-BA-4T0040G HAV-BA-4T0055G	2S*: 2.2kW 4T*: 4kW, 5.5kW	
	Dust Guaze	Expert XS	HAV-XS-4T0075-FSB	Dust guaze for Expert Series	HAV-XS-4T0055G-0075P HAV-XS-4T0075G-0110P	4T*: 5.5kW , 7.5kW	
			HAV-XS-4T0150-FSB		HAV-XS-4T0110G-0150P HAV-XS-4T0150G-0180P	4T*: 11kW, 15kW	
			HAV-XS-4T0220-FSB		HAV-XS-4T0185G-0220P HAV-XS-4T0220G-0300P	4T*: 18.5kW, 22kW	
	Dust Sticker	BASIC BA	HAV-BA-4T0022	Dust sticker for BASIC Series	HAV-BA-2S0004G ~ HAV-BA-2S0022G HAV-BA-4T0004G ~ HAV-BA-4T0055G	2S*:0.4 - 2.2kW 4T*:0.4 - 5.5kW	

General Purpose Variable Speed Drives



Accessories Selection

Category	Type	Range	Commercial Reference	Short Description	Applicable Product		Pictures
					Applicable Commercial Reference	Specifications	
Installation Accessories	Flange-mounting	Expert XS	HAV-XS-4T0040-QRZJ	Embedded installation accessories	HAV-XS-4T0007G ~ HAV-XS-4T0040G-0055P HAV-XS-2T0007G ~ HAV-XS-2T1600G	4T*: 0.75 - 4kW 2S*: 0.75 - 2.2KW	
			HAV-XS-4T0075-QRZJ		HAV-XS-4T0055G-0075P ~ HAV-XS-4T0075G-0110P	4T*: 5.5 - 75kW	
			HAV-XS-4T0150-QRZJ		HAV-XS-4T0110G-0150P ~ HAV-XS-4T0150G-0185P	4T*: 11 - 15kW	
			HAV-XS-4T0220-QRZJ		HAV-XS-4T0185G-0220P ~ HAV-XS-4T0220G-0300P	4T*: 18.5 - 22kW	
			HAV-XS-4T0370-QRZJ		HAV-XS-4T0300G-0370P ~ HAV-XS-4T0370G-0450P	4T*: 30 - 37kW	
			HAV-XS-4T0750-QRZJ		HAV-XS-4T0450G-0550P ~ HAV-XS-4T0750G-0900P	4T*: 45 - 75kW	
			HAV-XS-4T1320-QRZJ		HAV-XS-4T0900G-1100P ~ HAV-XS-4T1320G-1600P	4T*: 90 - 132kW	
			HAV-XS-4T1600-QRZJ		HAV-XS-4T1600G-1850P ~ HAV-XS-4T8500G	4T*: 160 ~ 850kW	
	Wall-mounting	Expert XS	HAV-XS-4T2200-BGZJ	Accessory for wall mounting installtion	HAV-XS-4T2000G-2200P ~ HAV-XS-4T2200G-2500P	4T*: 200 - 220kW	
			HAV-XS-4T2800-BGZJ		HAV-XS-4T2500G-2800P ~ HAV-XS-4T8500G	4T*: 250 ~ 850kW	
	Floor-standing	Expert XS	HAV-XS-4T0370-DZ	Accessory for floor-standing installtion	HAV-XS-4T0300G-0370P ~ HAV-XS-4T0370G-0450P	4T*: 30 - 37kW	
			HAV-XS-4T0750-DZ		HAV-XS-4T0450G-0550P ~ HAV-XS-4T0750G-0900P	4T*: 45 - 75kW	
			HAV-XS-4T1100-DZ		HAV-XS-4T0900G-1100P ~ HAV-XS-4T1320G-1600P	4T*: 90 - 132kW	
			HAV-XS-4T1600-DZ		HAV-XS-4T1600G-1850P ~ HAV-XS-4T8500G	4T*: 160 ~ 850kW	
Keypad & Accessories	Keypad bracket	Expert XS	HAV-XS-JPT	Keypad holder for external keypad	HAV-XS-2S0007G ~ HAV-XS-2S0022G HAV-XS-2T0007G ~ HAV-XS-2T1600G HAV-XS-4T0007G ~ HAV-XS-4T8500G	2S*: 0.75 - 2.2kW 2T*: 4 - 7.5kW 4T*: 0.75kW - 850kW	
	External Keypad	BASIC BA	HAV-BA-LKD	External Keypad for BASIC	HAV-BA-2S0004G ~ HAV-BA-2S0022G HAV-BA-4T0004G ~ HAV-BA-4T0055G	2S*:0.4 - 2.2kW 4T*:0.4 - 5.5kW	
		EXPERT XS	HAV-XS-LKD	External Keypad for EXPERT XS	HAV-XS-2S0007G ~ HAV-XS-2S0022G HAV-XS-2T0007G ~ HAV-XS-2T1600G HAV-XS-4T0007G ~ HAV-XS-4T8500G	2S*: 0.75 - 22 kW 2T*: 4 -7.5kW 4T*: 0.75 ~ 850kW	
	Keypad cable	BASIC Expert XS	HAV-XS-CAB2	Length 2m	HAV-BA-2S0004G ~ HAV-BA-2S0022G HAV-BA-4T0004G ~ HAV-BA-4T0055G	2S*: 0.4 - 2.2 kW 2T*: 0.75 - 160kW 4T*:0.4 - 850kW	
			HAV-XS-CAB5	Length 5m	HAV-XS-2S0007G ~ HAV-XS-2S0022G HAV-XS-2T0007G ~ HAV-XS-2T1600G HAV-XS-4T0007G ~ HAV-XS-4T8500G		

* 2S = 200-240V Single Phase, 2T = 200-240V Three Phase, 4T = 380-440V Three Phase

SOLAR Variable Speed Drives



Range Presentation

Himel SOLAR VSD is an innovative solution that uses solar power as a reliable energy source for pumping water. It maximizes the solar energy to run the pump for maximum duration in a day by controlling the speed of the motor based on the power available from the solar panel. Himel SOLAR range covers the solar pumps ranging from 0.4kW to 160kW.

Features

- ◆ High precision solar power regulation (MPPT) algorithm
- ◆ Easy to use menu for fast commissioning
- ◆ Regulates automatically the flow of the pump
- ◆ Auto-stop function if the pump is running dry
- ◆ Compatible with both AC and DC power input
- ◆ Real-time status and parameter display
- ◆ Multiple pump-specific functions
- ◆ Built-in comprehensive protections

Online Content



SOLAR

Selection Code

Series name	Input	Adaptation	Drive type
HAVSO	4T	0007	G-SM
HAVSO: SOLAR	2S: 200-220V Single-phase 4T: 380-480V Three-phase	0004: 0.4kW 0007: 0.75kW 0015: 1.5kW 1320: 132kW 1600: 160kW	G: Heavy Duty SM: Single-phase motor



Application		Solar pumps	
Range type		*2S/2S*SM	*4T*
Capacity range	AC input voltage(V)	220(±15%)(1PH)	380(±15%)(3PH)
	Power rating	0.4~4kW	0.75~160kW
	Mix. DC voltage(V)	440	800
	Start voltage(V)	200	300
	Min. DC voltage(V)	150	250
	DC input range(V)	200~400	300~750
	MPPT working voltage(V)	330	550
Frequency	Input frequency	50/60Hz	50/60Hz
	Output frequency	0-400Hz	0-400Hz
Overload capacity	Capacity	150% for 1min, 190% for 3s, 200% for 1s	150% for 1min, 190% for 3s, 200% for 1s
Control method	V/f	√	√
	Sensorless vector control	√	√
	Eco mode control	-	-
Start torque		0.5Hz, 150%	
Built-in PID		√	√
Keypad		Removable Keyboard	Removable Keyboard
Display		LED	
Multispeed Sequence		-	

SOLAR Variable Speed Drives



Application		Solar pumps	
Range type		*2S/2S*SM	*4T*
I/O	DI1-DI4	NPN/PNP,Input: 9-30VDC	
	DO1	9-30VDC, max.50mA	
	AI1	V: 0-10V	
		I:0-20mA	
	AO1	V: 0-10V	
		I:0-20mA	
	RO(Ta, Tb, Tc)	NO: AC 250V below 3A/DC30V below 3A NC: AC 250V below 3A/DC30V below 3A	
Built-in communication (Max. speed)		0.4~15kW: extension card; ≥18.5kW: Build in	
Option	Communication	RS485,Modbus RTU (38.4kbps)	
	Extension operation panel	Support, cable length:2m, 5m	
Functionality		MPPT function	
		Support AC/DC supply	
		Auto start-run-stop	
		Energy/ flow calculator	
		Low Light protection	
		Eco-mode/PID with sleep mode/Special pump protection	
Installation Way		Wall mounted,Din-rail	
Environment and certificate	Operation temperature	The ambient temperature of inverter is -10°C~50°C while air temperature change should be less than 0.5°C per minute.The inverter will be derated once ambient temperature exceeds 40°C. It is not recommended to use the inverter if ambient temperature is above 50°C	
	Humidity	≤95%RH	
	Altitude	≤1000m, no capacity reduction	
	IP level	IP20	
	Global certificates	CE	
	Velocity ratio	1:200	
	Velocity precision at steady state	≤±0.2%	
	Frequency precision	±0.01Hz	
Features	Frequency resolution	±0.01%	
	Torque rise	Integrated auto-torque raising function; with manual- setting: 0.1%~10.0%	
	V/F control curve definition	1: Straight line V/F curve; applying to the constant torque load2: Multi-dots V/F curve3: Torque-stepdown characteristic curve (1.3 order)4: Torque-stepdown characteristic curve (1.7 order)5: Torque-stepdown characteristic curve (2.0 order)6: Customized V/F(V/F separation)	
	Acceleration/Deceleration Time	four groups of ACC/DEC time which can be selected by F28	
	DC braking	Start frequency: 0.00~Max. output frequency; braking time: 0.0~50.0Sbraking current: 0.0~100%	
	Automatic voltage regulation(AVR)	The output voltage of the inverter is automatically adjusted to eliminate the influence of bus voltage fluctuations on the output voltage of the inverter	
	Auto current limitation	Limit current automatically to avoid tripping from frequent over current.	
	Auto PMW adjustment	Can adjust the PWM frequency automatically according to the load characteristic	
Protection	Special pump protection	Voltage limit, dry run,pump load monitor,Motor overload	
	VSD protection function	Over-current, over-voltage, under-voltage, over-heat, over-load, short circuit,phase loss	
	Cooling	Air- cooling, Forced air cooling	

SMART Pump Variable Speed Drives



Range Presentation

HimeI SMART Pump (SP) drives are full-featured dedicated drives for parabolic load applications like pumps, fans, and chillers. HimeI SMART Pump range covers the motors ranging from 2.2kW to 160kW.

Features

- ◆ Integrated Eco-mode and PID with sleep mode.
- ◆ Built-in C3 standard EMC filter (>=11kW)
- ◆ Special Pump functions
 - Multipump control
 - Built-in energy and flow meter
 - Pump cleaning
 - Fire override mode
- ◆ Pump- specific protections

Online Content



SMART Pump

Selection Code

Range Name	Series Name	Input	Adaptation	Drive Type
HAV	SS	4T	0110	P
HA: HimeI Automation	S:SMART	2: 220V 4: 380V – 440V	Adaptation 0015: 1.5kW 0075: 7.5kW 0110: 11kW 0185: 18.5kW 1100: 110kW	P: Normal Duty
V: VSD M: Motion H: HMI P: PLC	P: Pump & fan	S: Single-phase T: Three-phase		



Application		Pumps, Fans and Chillers
Capacity range	Three phase 200V Class	AC: 200V(-15%)-240V(+10%) 2.2~45kW
		AC:380V(-15%)~440V(+10%)
	Three phase 400V Class	2.2~160kW
Frequency	Input frequency	50/60Hz
	Output frequency	0-599Hz
Overload capacity		120% for 1min
Control method	V/f	√
	Sensorless vector control	√
	Eco mode control	√
Start torque		0.5Hz, 120%
Built-in PID		√
Keypad		Pluggable
Display		LED/LCD
Multispeed control		16 stages in one cycle

SMART Pump Variable Speed Drives



Application		Pumps, Fans and Chillers
I/O	DI1-DI4	NPN/PNP, Input: 9-30VDC
	DI5	NPN/PNP, Input: 15-30VDC
	DO1	Pulse input: max. 50kHz
	DO2	9-30VDC, max. 50mA
		9-30VDC, max.50mA
		Pusle output max.50kHz
	AI1	V: 0-10V
	AI2	I:0-20mA
		Resolution:1/1000
Options	AO1	V: 0-10V
	AO2	I:0-20mA
Built-in communication (Max. speed)		Resolution:1/1000
	RO(Ta, Tb, Tc)	NO: 24VDC 3A/ 250VAC 5A
Options		NC: 24VDC 3A/ 250VAC 3A
	Extension I/O	RS485,Modbus RTU (38.4kbps)
Options	Extension Keypad	DI/DO/RO
		Support, cable length:2m, 5m
Functionality		Multi-pump control
		Dry run protection
		Energy/ flow calculator
		Frost and condensation protection
		Pump cleaning
		Fire override mode
		Eco-mode/PID with sleep mode/Special pump protections
Installation Way		Wall mounted, cabinet,
Dust Shields		flange installation
EMC Filter	C2	√
	C3	—
Braking unit		Built-in EMC filter (>=11kW)
Environment	Operation temperature	Built-in (<=22kW)
	Humidity	-10-40℃ no capacity reduction, 40℃ -50℃ capacity reduction
	Altitude	≤95%RH
	IP level	≤1000m, no capacity reduction
Global certificates		IP20
Features	CE	
	Velocity ratio	1:100
	Frequency precision	Digital setting: Max frequency X ±0.01%
		Analog setting: Max frequency X ±0.2%
	Frequency resolution	Digital setting: Max frequency X ±0.01%
		Analog setting: Max frequency X ±0.1%
	Torque rise	Integrated auto-torque raising function; with manual- setting: 0.1%~30.0%
	V/F control curve definition	Linear, Square, V ¹⁷ /F, V ¹² /F
	Acceleration/DecelerationTime	4 types of ACC/DEC time selection; optional time unit selection(Min/s); setting range: 0~60hours;
	DC braking	Start frequency: 0.00~60.00Hz; braking time: 0.0~30.0S;
		braking current: 0.0~100%
	Automatic voltage regulation(AVR)	√
Protections	Auto current limitation	√
	Auto PMW adjustment	√
	Special pump protection	Voltage limit, dry run, pump load monitor, frost and condensation protections
	VSD protection function	Over-current, over-voltage, under-voltage, over-heat, over-load, short circuit.
Warranty		Air-cooling
		24 months

METERS



HP606 Digital Panel Meters

NEW



HP606

Meter model: Amperemeter, Voltmeter, Combination meter, Multifunction Meter
Connection type: Single-phase / Three-phase
Accuracy: class 0.5
Frequency: 45-65Hz
Dimension types: 3 types (96, 72, 48)

HDT(S)S606 Three-phase Four-wire Watt-hour Meter



HDT(S)S606

Current specification: 1.5(6)A, 3(6)A, 5(20)A, 5(40)A, 5(60)A, 20(80)A, 10(100)A
Conection Type: Three-phase Four-wire
Accuracy: Class 1
Frequency: 50/60Hz

H72 & H96 Panel Meters



H96

H72

Specification: 72x72mm, 96x96mm
Type: ammeter, voltmeter, frequency meter
Frequency: 50/60Hz

HLMK Current Transformers



HLMK

Rated primary current: 30A-5000A
Rated secondary current: 5A
Maximum rated voltage: 0.66kV
Accuracy class: 0.5, 1.0
Frequency: 50Hz

HDDS606 Single-phase Watt-hour Meter



HDDS606

Current specification: 1.5(6)A, 2.5(10)A, 5(20)A, 5(30)A, 10(40)A, 15(60)A, 20(80)A,10(100)A
ConectionType: Single-phase
Accuracy: Class 1
Frequency: 50/60Hz

METERS

HP606 Digital Panel Meters

Standard: IEC60051



Range Presentation

- HP606 is Himel range of new Digital Meters:
- Applied to power monitoring and panel builder cabinet
 - Product types: current, voltage, combination, and ultifunction
 - Dimension types: 3 types (96, 72, 48)

Features

- ◆ New design and elegant appearance: material of high permeability plexiglass, LED or LCD display; and wide visual range
- ◆ Accurate metering and reliable performance: high accuracy and resolution ratio; high ability of overloading
- ◆ Four-remote control: teleindication, telecontrol, Telemetering, and remote regulating
 - √ Teleindication: build communication with data collector, network module, and workstation via Rs485
 - √ Telecontrol: operation on local or remote workstation (off-site), e.g. remote tripping and closing
 - √ Telemetering: remote parameters adjustment
 - √ Remote regulating: remote parameters metering

Online Content



HP606

Selection Code

Model	Input mode	Panel dimension	Meter structure	Display mode	Range	
HP*606	L	72	P	1	5A	Y
HPA606: HPA606 Amperemeter	L: AC	48: 96×48 mm (only for single-phase meter)	P: Programmable Display Instrument S: DO+RS485	1: One-row LED display	5A: Secondary 1A: Secondary	NA
		72: 72×72 mm		1: One-row LED display 4: Three-row LED display		
		96: 96×96 mm	P: Programmable Display Instrument	1: One-row LED display 4: Three-row LED display		
			S: DO+RS485	4: Three-row LED display		
HPZ606: HPZ606 Voltemeter	L: AC	48: 96×48 mm (only for single-phase meter)	P: Programmable Display Instrument S: DO+RS485	1: One-row LED display	NA	Y: 100V O: 600V
		72: 72×72 mm	P: Programmable Display Instrument S: DO+RS485	1: One-row LED display 4: Three-row LED display		
		96: 96×96 mm	P: Programmable Display Instrument	1: One-row LED display 4: Three-row LED display		
			S: DO+RS485	4: Three-row LED display		
HPD606: HPD606 Combination meter	L: AC	72: 72×72 mm	P: Programmable Display Instrument	4: Three-row LED display	5A: Secondar y 1A: Secondary	Y: 100V O: 600V
		96: 96×96 mm	T: RS485			
HPDM606: HPDM606 Multifunction meter	L: AC	72: 72×72 mm	P: Programmable Display Instrument T: RS485	3Y: Three-phase LCD display (only for multifunction meter) 4: Three-row LED display	5A: Secondary 1A: Secondary	Y: 100V O: 600V
		96: 96×96 mm	P: Programmable Display Instrument T: RS485		5A: Secondary 1A: Secondary	Y: 100V O: 600V

Note: Normally the combination meter is composed of voltage, current, and frequency. If customer needs more functions, then a multi-function meter is required.

METERS

HP606 Digital Panel Meters

Standard: IEC60051

Technical Parameters			
Input	Network system		Single-phase & Three-phase
	Voltage	Overload	Continuous: 1.2×Un; Instantaneous: 2×Un for lasting 1s
	Current	Overload	Continuous: 1.2×In; Instantaneous: 10×In for lasting 5s
	Frequency		45~65Hz
Function module	Switch input (DI)		Photocoupler Isolation of passive dry contact
	Switch output (DO)		Output of two-loop passive relay, contact capacity: 3A/30VDC,3A/250VAC, Values of upper and lower limit alarm, hysteresis can be set as what you want.
			Output method: remote control (used as switch output) or off-limit alarm
	Electrical energy pulse		Two-loop electrical pulse output
	Electrical energy pulse constant		Active power: 8000imp/kwh Reactive power: 8000imp/kvarh
	Communication	Method	RS485
		Protocol	MODBUS-RTU
		Baud rate	1200, 2400, 4800, 9600 bps
		Parity bit	Odd parity, even parity, no parity
	Display	Display mode	
Accuracy Class	Voltage, current, frequency, active power,power factor		Class 0.5
	active energy		Class 1
IP Protection			IP54
Auxiliary power supply	Range		AC220V
	Power consumption		< 5VA
Standard			IEC 60068-2, IEC 61010-1, IEC 60529, IEC 61000-4, IEC 61557-1

METERS

H72 & H96 Panel Meter

Standard: IEC60051



Range Presentation

H72 & H96 series is Himel range of panel meters which provides:

- H72T/H72L & H96T/H96L apply to measure the current, voltage or frequency in the AC circuit
- H72C & H96C apply to measure the current or voltage in the DC circuit
- They are mainly used as indicating instrument for high or low-voltage switch cabinet, power supply cabinet, control cabinet and other electric-control facilities in the AC transmission circuit system.

Features

- ◆ 72*72mm dimension for H72 series, while 96*96mm dimension for H96 series;
- ◆ For amperemeter with direct connection, maximum current can reach 50A in AC circuit, while maximum current is 20A in DC circuit;
- ◆ For voltmeter with direct connection, maximum voltage can reach 600V in both AC and DC circuits;
- ◆ Accuracy of amperemeter and voltmeter is class 1.5, and accuracy of frequency meter is class 1.0.

Online Content



H72



H96

Selection Code

Range name	Primary Current / Voltage / Frequency	Connection method
H72	50	A
H72TA: H72 AC Amperemeter H96TA: H96 AC Amperemeter	5: 5A 20: 20A ... 5000: 5000A 10000: 10000A	Default: External transformer connection A: Direct connection (1-20A)
H72LV: H72 AC Voltmeter H96LV: H96 AC Voltmeter	300: 300V 500: 500V 600: 600V	Default: Direct connection (30-600V)
H96CV: H96 DC Voltmeter	300: 300V 500: 500V 600: 600V	Default: Direct connection (3-600V)
H72LHZ: H72 frequency meter H96LHZ: H96 frequency meter	01200V	

Note: • CT must be purchased separately for Amperemeter above 20A
• the last digit of selection code plus WG by default

Technical Parameters	
Panel Meters	H72/H96
Standard	IEC 60051
Dielectric strength test	Frequency 50/60Hz, Voltage 2000V, duration 1 minute
Impact test	Maximum acceleration 147m/s ²
Response time	≤4s
Angular Deflection	90°
Temperature	-25°C ~ +40°C
Humidity	(25%-80%) RH
Environment	No mildew, insects, salt mist, dew, sand and dust are permitted
Installation	Installed vertically
IP Grade	IP42

METERS

Electronic Watt-hour Meter

Standard: IEC62053-21



Range Presentation

HDDS606 and HDT(S)S606 series are Himel range of Electronic Watt-hour Meter, which provide:

- Measuring the active energy in the single-phase or three-phase AC power network at frequency of 50Hz or 60Hz
- Measuring the active energy of enterprises, transformer sub-station or power stations, and be used as automatic meters of power transmission and distribution network

Features

- ◆ Smaller and Elegant:
 - 50% smaller in size to save installation space
 - Upgraded appearance design
- ◆ Accurate Measurement & Safe and Reliable:
 - Automatic calibration for inspection
 - Three lead sealings: factory, verification and installation; more secure for electricity anti-stealing.
- ◆ Well Designed & Intelligent and Convenient:
 - Wider current range, and easier for model selection
 - First limit design of bump on the tail cover in our industry, and flip angle of the tail cover can be more than135°
 - More convenient and firming on wiring.
- ◆ Qualified Materials & Excellent Performance:
 - Temperature rise is only 15K, which is far less than national standard 25K.
 - Power loss is less than 0.5W.
 - Heat deformation temperature reaches to 200°C

Selection Code

Model	Voltage	Accuracy	Current Specification	Frequency	Connection	Display Mode
HDDS606	M	1	6M4	6	H	C
HDDS606: Single-phase Electronic Watt-Hour Meter	M: 220V N: 230V	Default: Class 1	6M4: 1.5(6)A 10M4: 2.5(10)A 20M4: 5(20)A 30M6: 5(30)A 40M4: 10(40)A 60M4: 15(60)A 80M4: 20(80)A 100M10: 10(100)A	Default: 50Hz 6: 60Hz	Default: Direct connection (No external CT/VT type)	Default: Dial display without any optional function C: LCD display (485 interface & infraed)
HDT(S)S606:Three-phase Four-wire Electronic Watt-Hour Meter	V: 3*230/400V		20M4: 5(20)A 40M8: 5(40)A 60M12: 5(60)A 80M4: 20(80)A 100M10: 10(100)A	Default: 50Hz 6: 60Hz	Default: Direct connection	Default: Dial display C: LCD display(485 interface & infraed)
	W: 3*57.7/100V V: 3*230/400V		6M4: 1.5(6)A 6M2: 3(6)A		H: Connect via VT/CT	

Note: for HDDS606 the last digit of selection code plus L by default

Electronic Watt-hour Meter

Standard: IEC62053-21



Technical Parameters		
Energy Meters	HDDS606	HDTS606
Connection Method	Single phase	Three-phase four-wire
Accuracy	Class 1	
Rated Voltage (V)	220, 230	3*57.7/100V (External transformer) 3*230/400V
Current Specification	1.5(6)A, 2.5(10)A, 5(20)A, 10(40)A, 15(60)A, 10(100)A	3*57.7/100V: 1.5(6)A, 3(6)A
		3*230/400V: 1.5(6)A, 3(6)A, 5(20)A, 5(40)A, 5(60)A, 20(80)A, 10(100)A
Display Mode	Dial meter or LCD	
Deafult functions in LCD Model	Infrared communication, RS485 communication	
Normal working voltage	0.9~1.1 (Reference voltage)	
Ultimate working voltage	0.0~1.15 (Reference voltage)	
Rated Voltage	0.75Un~1.15Un	

HLMK Current Transformers

Standard: IEC60044-1



Range Presentation

HLMK Series is Himel range of Current Transformer, to measure and transform high current to low current

Features

- ◆ 100% pure copper varnished wire
- ◆ Optimized electric conductivity, less power loss and better stability
- ◆ Shell is made of flame retardant PC material
- ◆ Maximum rated voltage is 0.66kV

Online Content



HLMK

Selection Code

Range name	Maximum rated voltage	Accuracy class	Rated primary current	Bus-bar dimension
HLMK	P6	P1	30	30
HLMK	P6: 0.66kV	Default: class 0.5 P1: class 1	30: 30A 50: 50A 75: 75A ... 5000: 5000A	30: 30×10mm 40: 40×10mm 50: 50×15mm 60: 60×20mm 80: 80×10mm or 60×30mm 100: 100×30mm or 60×40mm 120: 120×25mm or 80×30mm

Rating Table

Busbar diameter (mm)	Φ 30	Φ 40	Φ 50	Φ 60	Φ 80	Φ 100	Φ 120
Rated primary current to select (A)	30		300	500	600	600	
	50		400	600	750	750	1500
	75	250	500	750	800	800	2000
	100	300	600	800	1000	1000	2500
	150	400	750	1000	1200	1200	3000
	200	500	800	1200	1500	1500	4000
			1000	1500	2000	2000	5000
					2500	2500	
					3000	3000	

Technical Parameters	
Current Transformers	HLMK
Rated primary current	30A-5000A
Rated secondary current	5A
Maximum rated voltage	0.66kV
Accuracy class	0.5, 1.0
Short time thermal current	Ith=100Ih
Security coefficient security coefficient	FS<5
Standard	IEC 60044-1
Certificate	CE

VOLTAGE STABILIZERS



HTND Servo type Voltage Stabilizers



Rated capacity: 0.5~30kVA
Regulation type: servo motor type

109

HAVRL Relay type Voltage Stabilizers



Rated capacity: 0.5-10kVA
Regulation type: relay type

113

HSVCB Servo type wall-mounted Voltage Stabilizers



Rated capacity: 3-10kVA
Regulation type: servo motor type
Installation method: wall-mounted

111

HSJW Three-phase AC Voltage Stabilizers up to 60kVA



Rated capacity: 1.5-60kVA
Regulation type: servo motor type

115

HAVRB Relay Type Wall-Mounted Voltage Stabilizer



Rated Capacity: 1-12kVA
Regulation Type: Relay Type
Installation Method: Wall-mounted

112

HSBW Three-phase AC Voltage Stabilizers up to 2000kVA



Rated capacity: 10-2000kVA
Regulation type: servo motor type

116

VOLTAGE STABILIZERS

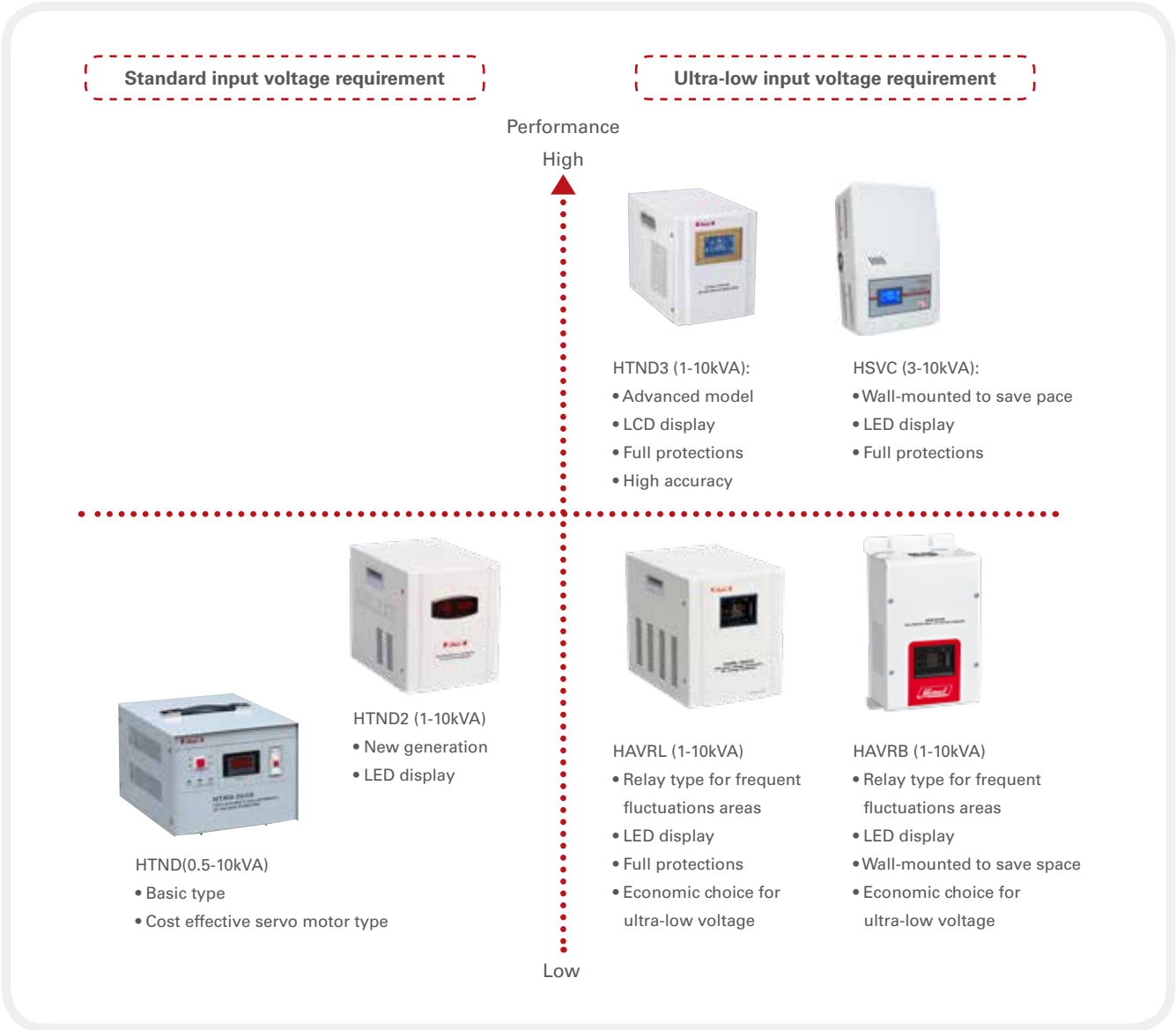
Easy Selction Guide for Single-phase Voltage Stabilizer

- Capacity: $\leq 2\text{kVA}$:
- Plug socket is available for applications
 - Suitable for protections of 1 appliances, e.g. TV, washing machine, fridge, etc.
- 3kVA ~10kVA:
- It is available in home, office and shops
 - Suitable for protections of more than 1 device working, e.g. air conditioner plus lamps and TV.
- 10-30kVA:
- Cabinet type
 - It is available in home, office and shops
 - HTND/HTND2/HTND3 will be your best solutions which depends on your specified requiriements.
 - Suitable for protections of multi devices.

Product Overview

- Single-Phase Voltage Stabilizer
- √ Servo motor type
 - HTND · HTND2 · HTND3 · HSVC
 - √ Relay type
 - HAVRL
- Three-Phase Voltage Stabilizer
- √ Servo motor type
 - HSJW · HSBW

Voltage Stabilizer capacity: 1kVA~10kVA (single-phase)



VOLTAGE STABILIZERS

HTND Voltage Stabilizers

Standard: EN61000-6-2, EN61000-6-4, EN61558-1



Range Presentation

HTND is Himel range of single-phase servo motor type voltage stabilisers. It's up tp 30KVA with high accuracy and smooth stabilization.

Selection Code

Model	Power Rating	Connection Type	Input Voltage	Output Voltage
HTND	P5	HE	I110	O220
HTND: HTND series	P5: 0.5kVA 1: 1kVA 1P5: 1.5kVA 2: 2kVA 3: 3kVA 5: 5kVA 7: 7kVA 10: 10kVA 10G: 10kVA cabinet 15G: 15kVA cabinet 20G: 20kVA cabinet 30G: 30kVA cabinet	HE: Europe plug (1.5kVA) HB: British plug (only when capacity ≤ 1.5kVA) H: Terminal connect	Default: Standard 150-250V I110: Input: 110-250V	O220: Output 220V O230: Output 230V
HTNDS: HTND2 series	1: 1kVA 1P5: 1.5kVA 2: 2kVA 3: 3kVA 5: 5kVA 7: 7kVA 10: 10kVA 10G: 10kVA cabinet 15G: 15kVA cabinet 20G: 20kVA cabinet 30G: 30kVA cabinet	HE: Europe plug (only when capacity ≤ 10kVA) HB: British plug (only when capacity ≤ 10kVA) H: Terminal connect	Default: Standard 140-250V I85: Input: 85-250V I110: Input: 110-250V	Default: Output 220V O230: Output 230V
HTNDC: HTND3 series	1: 1kVA 1P5: 1.5kVA 2: 2kVA 3: 3kVA 5: 5kVA 7: 7kVA 10: 10kVA 10G: 10kVA cabinet 15G: 15kVA cabinet 20G: 20kVA cabinet 30G: 30kVA cabinet	HE: Europe plug (only when capacity ≤ 10kVA) HB: British plug (only when capacity ≤ 10kVA) H: Terminal connect	Default: Standard 140-250V I85: Input: 85-250V I110: Input: 110-250V	Default: Output 220V O230: Output 230V

Note: Additional features are available, please consult us if you want to customized type.

Spare Parts List - For HTND Family

- √ Servo motor
- √ Carbon brush
- √ PCB
- √ Limit switch
- √ Regulating coil
- √ Compensating coil (when capacity ≥15kVA)
- √ Screen

Note: Spare part list above can be provided on request.

VOLTAGE STABILIZERS

HTND Voltage Stabilizers

Standard: EN61000-6-2, EN61000-6-4, EN61558-1



Technical Parameters				
HTND product series		HTND	HTND2	HTND3
Rated Capacity		kVA	0.5~30	1~30
Output voltage	Accuracy of stabilized voltage	V	0.5~5kVA: 220 (or 230) ±4%; 110 (or 115) ±4% 7~30kVA: 220 (or 230) ±4%	1~5kVA: 220 (or 230) ±4%; 110 (or 115) ±4% 7~30kVA: 220 (or 230) ±4%
	Undervoltage Protection	V	184 (or 194) ±4	
	Overvoltage Protection	V	246 (or 256) ±4	
Range of Input Voltage		V	140~250	
Customized Input Range		V	100-240	85-250 or 110-250
Extended Function		Optional	By-pass (not available for 30kVA) Fan Output undervoltage protection Overload protection Temperature rise protection Input undervoltage protection Time delay	By-pass (not available for 30kVA) Fan Temperature rise protection Overload protection Input undervoltage protection Time delay
			By-pass (not available for 30kVA) Fan Input undervoltage protection	By-pass (not available for 30kVA) Fan
Cooling Mode			Air cooling can be customized (not for standard product: standard one is self-cooling)	
Voltage-regulating Speed		s	<1 (variation of input voltage is 10%)	
Temperature rise		K	<80	
Frequency		Hz	50/60	
Display mode			Dial Meter (Panel Meter)	LCD
Insulation grade			B	
Insulation resistance		MΩ	≥5	
Time Delay		min	5±2 (not for standard product) can be customized	
Withstand voltage		V/1min	1500	
Efficiency			92%	
Maximum rated current		A	2.3 (0.5kVA),4.5 (1kVA), 6.8 (1.5kVA), 9.1 (2kVA), 13.6 (3kVA), 22.7 (5kVA), 31.8 (7kVA), 45.5 (10kVA), 68 (15kVA), 90.9 (20kVA), 136 (30kVA)	
Certification			CE	
Standard			EN61000-6-2/ EN61000-6-4/EN61558-1	

Note:

- By-pass is not available for 30kVA.
- Customization of additional protection on request.

Portfolio for HTND family (not customized type)				
HTND product series		HTND	HTND2	HTND3
Characteristics	Description	Single phase full automatic AC voltage stabilizer		
	Capacity	0.5,1,1.5,2,3,5,7,10,15,20,30kVA	1,1.5,2,3,5,7,10,15,20,30kVA	1,1.5,2,3,5,7,10,15,20,30kVA
	Type	Servo motor	Servo motor	Servo motor
	Standard	EN 61000-6-2,61000-6-4,61558-1		
	Certification	CE	CE	CE
Protection	Overvoltage	√	√	√
	Short circuit	√	√	√
	Overload	*	*	√
	Undervoltage (output)	*	√	√
	Temperature rise	*	*	√
	Time delay	*	*	√
	By-pass	*	*	*

Note:

- (1) "*" means optional functions for this series, which is required to be customized;
- (2) Even through overload protection is not the standard one for all series, short circuit protection can help the system protect against overload issue at a certain level;
- (3) By-pass is not available for 30kVA.

VOLTAGE STABILIZERS

HSVCB Voltage Stabilizers

Standard: EN61000-6-2, EN61000-6-4, EN61558-1



Range Presentation

HSVCB is Himel range of single-phase wall-mounted servo motor type voltage stabilizers. It's up to 10KVA, and it can help customers save much mounting space.

Online Content



HSVCB

Selection Code

Model	Power Rating	Display	Input Voltage	Output Voltage
HSVCB	5	C	I110	O230
HSVCB	3: 3kVA 5: 5kVA 7: 7kVA 8: 8kVA 10: 10kVA	Default: pointer display (dial meter) C: LCD	Default: Standard 140-250V I85: Input: 85-250V I110: Input: 110-250V	Default: Output 220V O230: Output 230V

Note: Additional features are available, please consult us if you want to customized type.

Technical Parameters				
Type		HSVCB High Precise Full-Automatic AC Voltage Stabilizer		
Rated Capacity		kVA	3~7	10
Output Voltage	Accuracy of stabilized voltage	V	220 (or 230) ±4%; 110 (or 115) ±4%	220 (or 230) ±4%
	Undervoltage Protection	V	184 (or 194) ±4 (not for standard product) can be customized	
	Overvoltage protection	V	246 (or 256) ±4	
Range of input voltage		V	110-250 , 140-150 or 85-250	
Customized Input Range		V	85-250	
Extended function*		Optional	Fan Input undervoltage protection	
Voltage-regulating speed		s	<1 (variation of input voltage is 10%)	
Temperature rise		K	<80	
Frequency		Hz	50/60	
Display mode			LED or LCD	
Insulation resistance		MΩ	≥5	
Time delay		min	5±4 (not for standard product) can be customized	
Withstand voltage		V/1min	1500	
Efficiency			> 92%	
Maximum rated current		A	13.6 (3kVA), 22.7 (5kVA), 31.8 (7kVA), 45.5 (10kVA)	
Standard			EN61000-6-2/ EN61000-6-4/EN61558-1	
Certification			CE	

* Please consult us.

Spare Parts List

✓ Servo motor ✓ Carbon brush ✓ PCB ✓ Limit switch ✓ Relay ✓ Regulating coil ✓ Screen

VOLTAGE STABILIZERS

HAVRB Voltage Stabilizer

Standard: EN61000-6-2, EN61000-6-4, EN61558-1



Range Presentation

HAVRB is Himel range of single-phase wall-mounted relay type voltage stabilizers. It's up to 12KVA, and it can help customers save much mounting space as well as solve the frequent fluctuations issue from power grid.

Online Content



HAVRB

Selection Code

Model	Power Rating	Input Voltage	Output Voltage
HAVRB	5	I110	-
HAVRB	1: 1kVA 1P5: 1.5kVA 2: 2kVA 3: 3kVA 5: 5kVA 7: 7kVA 8: 8kVA 10: 10kVA 12: 12kVA	Default: Standard 140~250V I85: Input: 85~250V I110: Input: 110~250V	Default: Output 220V

Note: HAVRB only has 220V output. Additional features are available, please consult us if you want to customized type.

Technical Parameters			
Relay Type Wall-mounted Voltage Stabilizers			HAVRB
Output Voltage	Accuracy of stabilized voltage	V	220±8%
	Undervoltage protection	V	184±4
	Overvoltage protection	V	250±4
Range of Input Voltage		V	140~250
Standard Function			Overload protection Short circuit protection Output overvoltage protection Output undervoltage protection Time delay
Customized Input Range		V	110-250 or 85-250
Extended Function*		Optional	Fan By-pass Input undervoltage protection Temperature rise protection
Voltage-regulating Speed		ms	<10
Temperature Rise		K	<75 (with rated load)
Frequency		Hz	50/60
Display Mode			LED
Insulation Resistance		MΩ	≥5
Efficiency			>90%
Maximum Rated Current		A	1.5 (1kVA), 6.8 (1.5kVA), 9.1 (2kVA), 13.6 (3kVA), 22.7 (5kVA), 31.8 (7kVA), 36.4 (8kVA), 45 (10kVA), 54.5 (12kVA)
Standard			EN61000-6-2/ EN61000-6-4/EN61558-1

* Please consult us.

VOLTAGE STABILIZERS

HAVRL Voltage Stabilizers

Standard: EN61000-6-2, EN61000-6-4, EN61558-1



Range Presentation

HAVRL is Himel range of single-phase relay type voltage stabilizers. It's up tp 10KVA, and it can solve the frquent fluctuations issue from power grid.

Online Content



HAVRL

Selection Code

Model	Power Rating	Connection Type	Input Voltage
HAVRL	P5	HE	I110
HAVRL	P5: 0.5kVA 1: 1kVA 1P5: 1.5kVA ... 10: 10kVA	HE: Europe plug HB: British plug	Default: Input: 85-250V I110: Input: 110-250V

Note: HAVRL only has 220V output. Additional features are available, please consult us if you want to customized type.

Technical Parameters			
Ultra-Low Voltage Relay Type Voltage Stabilizer		HAVRL	
Type		HAVRL Ultra-Low Voltage Full-Automatic AC Voltage Stabilizer	
		Standard Model	Economic Model
Rated capacity		kVA	0.5-10
Output voltage	Accuracy of stabilized voltage	V	220±8%; 110±10% (only when capacity is equal or less than 5kVA)
	Overvoltage protection	V	250±4
Range of input voltage		V	85-250 110-250 or 140-250
Customized input range		V	110-250 or 140-250
Extended function*		Optional	By-pass Fan Input undervoltage protection
Power factor		0.8	0.6
Voltage-regulating speed		ms	<10
Temperature rise		K	<75 (with rated load)
Frequency		Hz	50/60
Display mode			LED
Insulation resistance		MΩ	≥5
Efficiency			>90%
Maximum rated current		A	2.3 (0.5kVA),4.5 (1kVA), 6.8 (1.5kVA), 9.0 (2kVA), 13.6 (3kVA), 22.7 (5kVA), 31.8 (7kVA), 45 (10kVA)
Standard		EN61000-6-2/ EN61000-6-4/EN61558-1	

* Please consult us.

VOLTAGE STABILIZERS

HAVRL Voltage Stabilizers

Standard: EN61000-6-2, EN61000-6-4, EN61558-1

Portfolio for HSVC & HAVRL & HAVRB (not customized type)					
HTND product series		HSVC-B	HTND2		HAVRB
			Standard Model	Economic Model	
Characteristics	Description	Single phase full automatic AC voltage stabilizer			
	Capacity	3,5,7,10kVA	0.5,1,1.5,2,3,5,7,10kVA		1,1.5,2,3,5,7, 8, 10, 12KVA
	Type	Servo motor	Relay type		
	Standard	EN 61000-6-2,61000-6-4,61558-1			
	Certification	CE	-		-
Protection	Overvoltage	✓	✓		✓
	Overload	✓	✓		✓
	Temperature rise	✓	✓		●
	Short circuit	✓	✓		✓
	Undervoltage (output)	●	✓	-	●
	Time delay	●	✓		●
	By-pass	✓	*		●

Note:

- (1) "*" means optional functions for this series, which is required to be customized;
- (2) "●" means that for HSVC series, output undervoltage protection and time delay function cannot be extended at the same time: customer can only choose one of them for each order; otherwise, the value of the output undervoltage protection should be set as a fixed value and this function cannot be selectable;
- (3) Even through overload protection is not the standard one for all series, short circuit protection can help the system protect against overload issue at a certain level.

Spare Parts List - for HSVC & HAVRL

- √ Servo motor (only for HSVC)
√ Relay (only for HAVRL)
- √ Carbon brush (only for HSVC)
√ Regulating coil
- √ PCB
√ Screen
- √ Limit switch (only for HSVC)

VOLTAGE STABILIZERS

HSJW Voltage Stabilizers

Standard: EN61000-6-2, EN61000-6-4, EN61558-1



Range Presentation

HSJW is Himel range of three-phase servo motor type voltage stabilizers. It's up to 60KVA with high accuracy.

Online Content



HSJW

Selection Code

Model	Power Rating	Shape	Display	Input Voltage	Output Voltage
HSJW	1P5	G	E	I250	O400
HSJW	1P5: 1.5kVA 3: 3kVA 4P5: 4.5kVA 6: 6kVA 9: 9kVA 15: 15kVA 20: 20kVA 30: 30kVA 45: 45kVA 60: 60kVA	Default: Desktop; Only for 1.5KVA~4.5KVA G: Cabinet	Default: Dial meter display E: LED display MLCD: Multifunction meter (LCD) display	Default: I/260-430V for 1.5-30kVA; I/ 304-456V for 45-60kVA I250: Input 250-423V	Default: Output 380V O400: Output 400V

Technical Parameters				
Three-Phase Voltage Stabilizer			HSJW	
Type			HSJWThree-Phase Full-Automatic AC Voltage Stabilizer	
Rated capacity		kVA	1.5-30	45-60
Output voltage	Accuracy of stabilized voltage	V	380 (or 400) ±4%	
	Undervoltage Protection	V	320 (or 340) ±7 (not for standard product) can be customized	
	Overvoltage Protection	V	425 (or 445) ±7	
Range of input voltage		V	260-430	304-456
Customized input range		V	250~423	
Extended function*		Optional	By-pass Fan Input undervoltage protection Output undervoltage protection Overload protection Phase failure protection Temperature rise protection Time delay Surge protector	
Voltage-regulating speed		s	<1 (variation of input voltage is 10%)	
Temperature rise		K	<80	
Ambient temperature		℃	-5℃ ~+40℃	
Frequency		Hz	50/60	
Display mode			Dial Meter (Panel Meter) or LED or LCD	
Insulation resistance		MΩ	≥5	
Withstand voltage		V/1min	1500	
Efficiency			> 92%	
Maximum rated current		A	2.3(1.5kVA), 4.6(3kVA), 6.8(4.5kVA), 9.1(6kVA), 13.7(9kVA), 22.8(15kVA), 30.4(20kVA), 45.6(30kVA), 68(45kVA), 91(60kVA)	
Certification			CE	
Standard			EN61000-6-2/ EN61000-6-4/EN61558-1	

* Please consult us.

VOLTAGE STABILIZERS

HSBW Voltage Stabilizers

Standard: EN61000-6-2, EN61000-6-4, EN61558-1



Range Presentation

HSBW is Himel range of three-phase servo motor type voltage stabilizers. It's up to 2000KVA with high accuracy.

Online Content



HSBW

Selection Code

Model	Power Rating	Display	Input Voltage	Output Voltage
HSBW	10	E	I250	O400
HSBW	10: 10kVA 15: 15kVA 30: 30kVA 50: 50kVA ... 1000: 1000kVA 1600: 1600kVA 2000: 2000kVA	Default: Dial meter display E: LED display MLCD: Multifunction meter (LCD) display	Default: I/ 304-456V I250: Input 250~423V	Default: Output 380V O400: Output 400V O470: Output is 380V when input is 304-470V

Technical Parameters				
Three Phase Compensation Voltage Stabilizer			HSBW	
Type			HSBWThree-Phase Compensation AC Voltage Stabilizer	
Rated capacity		kVA	10-2000	
Output voltage	Accuracy of stabilized voltage	V	380 (or 400) ±3%	
	Undervoltage protection	V	320 (or 340) ±7	
	Overvoltage protection	V	425 (or 445) ±7	
Range of input voltage		V	304-456	
Customized input range		V	250-423 or 304-470	
Extended function*		Optional	By-pass Fan Input undervoltage protection Overload protection Phase failure protection Temperature rise protection Time delay Surge protector	
Voltage-regulating speed		s	<1 (variation of input voltage is 10%)	
Temperature rise		K	<60	
Ambient temperature		℃	-5℃ ~+40℃	
Frequency		Hz	50/60	
Display mode			Dial Meter (Panel Meter) or LED or LCD	
Insulation resistance		MΩ	≥5	
Withstand voltage		V/1min	2000	
Efficiency			≥ 95%	
Standard			EN61000-6-2/ EN61000-6-4/EN61558-1	

* Please consult us.

VOLTAGE STABILIZERS

HSBW Voltage Stabilizers

Standard: EN61000-6-2, EN61000-6-4, EN61558-1



Portfolio for HSJW & HSBW (not customized type)			
product series		HSJW	HSBW
Characteristics	Description	Three phase full automatic AC voltage stabilizer	
	Capacity	1.5,3,4.5,6,9,15,20,30,45,60kVA	10,15,30,50,100,150,200,250,300,400,500,600,800,1000,1600,2000kVA
	Type	Servo motor	Servo motor
	Standard	EN 61000-6-2,61000-6-4,61558-1	
	Certification	CE	-
Protection	Overvoltage	√	√
	Temperature rise	*	*
	Overload	*	*
	Undervoltage (output)	*	√
	Short circuit	√	√
	Time delay	*	*
	By-pass	*	*

Note:

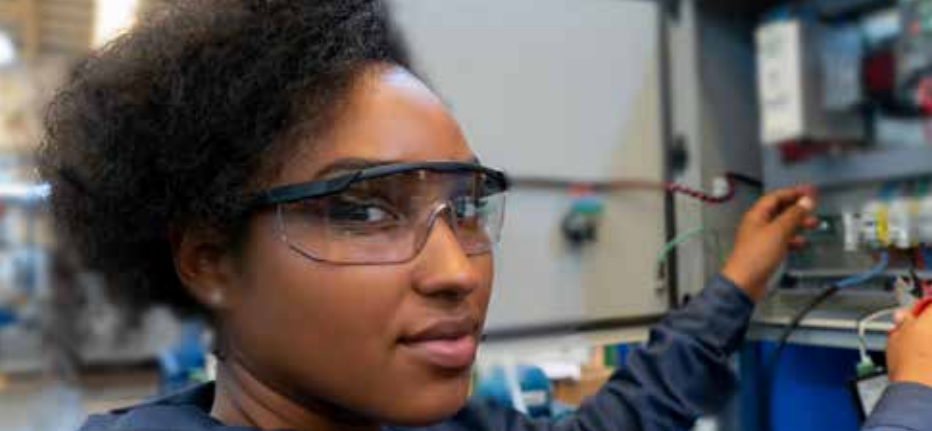
(1) "*" means optional functions for this series, which is required to be customized with higher cost;

(2) Even through overload protection is not the standard one for all series, short circuit protection can help the system protect against overload issue at a certain level.

Spare Parts List - for HSBW

√ Servo motor √ Carbon brush head √ PCB √ Limit switch √ Screen

CONTROL COMPONENTS



HLAY5 Pushbuttons, Switches and Pilot Lights



HLAY5

Degree of protection: IP40 (IP65 with protective cover)
Material: Plastic/ Metal
Drilling or cut-out for mounting: Ø 22mm

120

HLAY5CS Control Stations

NEW



HLAY5CS

Compatible with HLAY5 pushbutton and switches Ø 22mm

123

HLAY7 Pushbuttons, Switches and Pilot Lights



HLAY7

Degree of protection: IP50
Material: Plastic
Drilling or cut-out for mounting: Ø 22/25/30mm

124

HLD11 Pilot lights



HLD11

Degree of protection: IP65
Step-down type: Resistance/ Capacitance
Specification: AC/DC: 6V/12V/24V/36V/48V/110V/220V/230V/380V
AC: 220V, 230V, 380V

127

Miniature Relays

NEW



HDZ9

Rated current: 3A, 5A, 10A
Pole: 2P/3P/4P
Maximum Rated voltage: 690V

128



HJSZ3

Rated Voltage: AC 120, 240, 400V DC 125, 250V
Delay after power-on : 0.05s-24h,
Delay after power-off : 0.1s-30M



HXJ9

Rated voltage : 380, 400V
Overvoltage : 380-460V, 400-480V
Undervoltage : 300-380V, 320-400V

HKG DigitalTime Switches



HKG

Rated control voltage: HKG316T: 230/400V AC
HKG316TD: 230/380V AC

133

CONTROL COMPONENTS

HXC Limit Switch

NEW



134

HDK Switch Mode Power Supplies



HDK-US

Rated Power: 35W, 50W, 75W, 100W, 150W, 200W, 350W
AC Input Voltage: 35~150W: 100-264V
Output Voltage: 5V, 12V, 24V, 36V, 48V



HDK-NS

Rated Power: 75W, 120W, 240W, 480W
AC Input Voltage: 100-240V
Output Voltage: 75W & 120W: 12V, 24V, 36V, 48V
240W & 480W: 24V, 48V

137

HBK Control Transformers



HBK

Rated voltage up to 1200V
Rated capacity: 25VA~20kVA

139

HICF Axial Fan

NEW



HICF

220V AC at 50/60 Hz; DC12V; DC24V
Double ball bearing and oil bearing;
Accessories: Metal protection net, filter net, three in one dustproof net

140

Terminal Blocks

NEW



HICTUK

HTB010

HTB112

HTB007

General connection terminals
Grounding connection terminals
Fuse modular connection terminals
Double level connection terminals
Accessories

144

HCF Cable Connectors



HCF

Thread specification: Metric Standard/ Germany Standard
Material: Nylon 66
Installation: Standard threaded hole
Color: Black/ Grey

152

Industrial Plugs & Sockets

NEW



HIPS series industrial plugs & sockets

HD series industrial plugs & sockets

154

CONTROL COMPONENTS

HLAY5 Pushbuttons, Switches and Pilot Lights

Standard: IEC 60947-5-1

NEW



Range Presentation

HLAY5 is Himel range of Pushbuttons, Switches and Pilot Lights designed to control and indicate the status of the circuit.

Features

- ◆ Compact size, suitable for small cabinet equipment
- ◆ Metal type delivers excellent resistance to mechanical shock and vibration
- ◆ Plastic type provides high resistance to chemical agents
- ◆ Screw clamp terminals allowing fast and easy connection
- ◆ Modular design allows flexible and simple setup for complete products

Online Content



HLAY5

Selection Code

Range Name	Type	Color	Contacts
HLAY5	BA	4	2
	HLAY5BA: Metal Flush HLAY5EA: Plastic Flush	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC
	HLAY5BC: Metal Φ 40 Mushroom HLAY5EC: Plastic Φ 40 Mushroom HLAY5BR: Metal Φ 60 Mushroom HLAY5ER: Plastic Φ 60 Mushroom	3: Green 4: Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC
	HLAY5BL832: Metal Double-headed flush/flush HLAY5BL842: Metal Double-headed flush/projecting	Default: Green and Red	5: 1NO+1NC

Range Name	Type	Diameter of Push	Color	Contacts
HLAY5	BS	5	4	2
	HLAY5BS: Metal Emergency stop pushbuttons, turn to release HLAY5ES: Plastic Emergency stop pushbuttons, turn to release	4: Φ 30 5: Φ 40 6: Φ 60	3: Green 4: Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC

HLAY5 Pushbuttons, Switches and Pilot Lights

Standard: IEC 60947-5-1



Selection Code

Range Name	Type	Number and Type of Positions	Contacts
HLAY5	BD	3	3
	HLAY5BD: Metal Selector switches with standard handle HLAY5ED: Plastic Selector switches with standard handle	2: 2p, stay put 3: 3p, stay put 4: 2p, spring return 5: 3p, spring return	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC
	HLAY5BJ: Metal Selector switches with long handle HLAY5EJ: Plastic Selector switches with long handle		
	HLAY5BG: Metal Key switches HLAY5EG: Plastic Key switches		

Range Name	Type	Color	Supply Voltage	Contacts	Light Source
HLAY5	BW3	3	M	1	L
	HLAY5BW3: Metal Illuminated pushbuttons with flush push HLAY5EW3: Plastic Illuminated pushbuttons with flush push	1: White 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue	T: 6V B: 24V F: 110V M: 220V Q: 380V	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	L: LED
	HLAY5BW84: Metal Illuminated pushbuttons with double-headed flush/projecting HLAY5EW84: Plastic Illuminated pushbuttons with double-headed flush/projecting	Default: Green and Red	T: 6V B: 24V F: 110V M: 220V Q: 380V	5: 1NO+1NC	L: LED

Range Name	Type	Supply Voltage	Color	Light Source
HLAY5	BV	M	3	L
	HLAY5BV: Metal Pilot light	T: 6V B: 24V F: 110V M: 220V Q: 380V	1: White 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue	L: LED

HLAY5 Pushbuttons, Switches and Pilot Lights

Standard: IEC 60947-5-1



Selection Code

Range Name	Type	Contacts
HLAY5	BE10	1
	HLAY5BE10: Contact blocks	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC
		

Technical Parameters								
Range name			HLAY5					
Usage mode			Rated value					
AC-15	Rated voltage (Ue)	V	380			220		
	Rated current (Ie)	A	2			3.3		
DC-13	Rated voltage (Ue)	V	220			110		
	Rated current (Ie)	A	0.5			1.1		
Mechanical endurance		10 ⁵	10(Flush, Mushroom, Illuminated type)					
			1(Other types)					
Electric endurance		10 ⁵	AC: 10 / DC: 2 (Flush,Mushroom type)					
			0.5 (Other types)					
Rated themal current (Ith)		A	6					
Rated impulse withstand voltage (Uimp)		V	6000					
Degree of protection			IP40 (IP65 with protective cover)					
Illuminated pushbutton								
Power supplier voltage		V	6	12	24	110	220	380
LED			√	√	√	√	√	√

Environment

Temperature	-5°C to +40°C
Relative humidity	≤50% (40°C) 90% (20°C)
Altitude	≤2000m
Pollution degree	3

CONTROL COMPONENTS

HLAY5CS Control Stations

Standard: IEC 60947-5-1



Range Presentation

HLAY5CS is Himel range of Control Stations designed for auxiliary or direct control of industrial machinery and processes.

Features

- ◆ Single-brand solution using Himel control stations and pushbuttons simplifies your choices
- ◆ Maximized flexibility
 - Empty control stations for customer assembly
 - Complete control stations with ready-to-use buttons
- ◆ Wide offer of pushbuttons and accessories for commonly encountered functions

Online Content



HLAY5CS

Selection Code

Range name	Type	Enclosure material	Cut-outs	Enclosure cover	Pushbutton Material	Empty Enclosures/ Complete Stations (Pushbutton Code)
HLAY5	CS	P	1	1	B	A
HLAY5	CS: Control station	P: Plastic	1: 1-hole 2: 2-hole 3: 3-hole 4: 4-hole 5: 5-hole	1: White 5: Yellow	B: Metal E: Plastic	Default: Empty enclosures A: Flush S: Emergency stop pushbuttons, turn to release

Technical Parameters			
Control Stations		HLAY5CS	
Main			
Associated control and signaling units		Ø 22 control and signalling units	
Number of cut-outs		1, 2, 3, 4 or 5	
Material		ABS	
Lid colour		White or yellow	
Degree of protection		IP40 (IP54 with protective cover)	
Function		According to equipment fitted: ● Start or Stop ● Start-Stop with pilot light ● Motion control ● Emergency stop	
Knockout diameter		M20(PG13.5)	
Complementary			
Rated insulation voltage (Ui)		660V	
Rated conventional thermal current (Ith)		6A	
Rated voltage (Ue)		220V/380V	
Rated current (Ie)	AC-15	1.3A/3A	
	DC-13	0.27A/0.55A	
Environment			
Ambient air temperature for storage		-25 to +70°C	
Ambient air temperature for operation		-25 to +70°C	
Conformity to standards		IEC60947-5-1	



CONTROL COMPONENTS

HLAY7 Pushbuttons, Switches and Pilot Lights

Standard: IEC 60947-5-1



Pushbuttons, Switches and Pilot Lights

HLAY7 is Himel range of plastic Pushbuttons, Switches and Pilot lights designed to control and indicate the status of the circuit.

Features

- ◆ Wide choice of heads and cut-outs
- ◆ Stackable modules, flexible to assemble more contacts
- ◆ Anti-rotation plate prevents the pushbutton head from rotation

Online Content



HLAY7

Selection Code

Range Name	Type	Contacts	Color	Drilling or cut-out for mounting
HLAY7	BN	11	3	2
	HLAY7**BN: Flush, spring return	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	2: Ø22 3: Ø25 4: Ø30
	HLAY7**BNZS: Flush, push-push HLAY7**GN: Projecting, spring return HLAY7**GNZS: Projecting, push-push HLAY7**JN: Recessed (high guard)		3: Green 4: Red	
	HLAY7**M: Ø 40 Mushroom, spring return HLAY7**MZS: Ø 40 Mushroom, push-push HLAY7**ZS: Ø 40 Emergency stop pushbuttons, turn to release		3: Green 4: Red	

Range Name	Type	Contacts	Number and Type of Positions	Color	Drilling or cut-out for mounting
HLAY7	XB	11	20	2	2
	HLAY7**X: Selector switches with standard handle HLAY7**XB: Selector switches with long handle HLAY7**Y: Key switches	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	20: 2p, stay put 21: 2p, spring return from right to center 30: 3p, stay put 31: 3p, spring return from right to center 33: 3p, spring return to center	2: Black 3: Green 4: Red 0: for Key switches	2: Ø22 3: Ø25 4: Ø30

HLAY7 Pushbuttons, Switches and Pilot Lights

Standard: IEC 60947-5-1



Selection Code

Range Name	Type	Contacts	Color	Supply Voltage	Drilling or cut-out for mounting	Light Source
HLAY7	DZS	11	4	M	2	L
	HLAY7**D: Illuminated projecting, spring return HLAY7**DZS: Illuminated projecting, push-push	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue	T: 6V B: 24V F: 110V M: 220V Q: 380V	2: Ø22 3: Ø25 4: Ø30	L: LED
	HLAY7**DM: Illuminated mushroom, spring return HLAY7**DMZS: Illuminated mushroom, push-push		3: Green 4: Red			

Range Name	Type	Contacts	Number and Type of Positions (For switches)	Color	Supply Voltage	Drilling or cut-out for mounting	Light Source
HLAY7	XD	11	20	3	M	2	L
	HLAY7**XD: Illuminated selector switches with standard handle	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	20: 2p, stay put 30: 3p, stay put	3: Green 4: Red	T: 6V B: 24V F: 110V M: 220V Q: 380V	2: Ø22 3: Ø25 4: Ø30	L: LED

Range Name	Type	Color	Supply Voltage	Drilling or cut-out for mounting
HLAY7	XD3	4	M	2
	HLAY7XD3: Pilot Light LED	1: White 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue	T: 6V B: 24V F: 110V M: 220V Q: 380V	2: Ø22

HLAY7 Pushbuttons, Switches and Pilot Lights

Standard: IEC 60947-5-1



Selection Code

Range Name	Type	Contacts
HLAY7	BE10	1
	HLAY7BE10: Contact blocks	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC



Technical Parameters					
Pushbuttons and Switches			HLAY7		
Usage mode			Rated value		
AC-15	Rated voltage (Ue)	V	660	380	220
	Rated current (Ie)	A	1.1	2	3.3
DC-13	Rated voltage (Ue)	V	440	220	110
	Rated current (Ie)	A	0.25	0.5	1
Mechanical endurance		10 ⁵	10 (Flush type), 3 (Switches)		
			1 (Push-push type)		
Electric endurance		10 ⁵	6 (Flush type), 1 (Switches)		
			0.5 (Push-push type)		
Rated themal current (Ith)		A	10		
Operation frequency		T/h	1200		
Contact resistance		mΩ	≤50		
Illuminated pushbutton			LED		
Working voltage		(Ue)V	6, 24, 110, 220, 380		
Lifetime		h	≥3000		

Environment

Ambient temperature	-5°C~+40°C
Relative humidity	≤50% (40°C) 90% (20°C)
Altitude	≤2000m
Pollution degree	3

CONTROL COMPONENTS

HLD11 Pilot Lights

Standard: IEC 60947-5-1



HLD11

Range Presentation

HLD11 is Himel range of Pilot Lights designed for:

- Pilot signal and alarm signal
- Emergency signals and other instructions incidents signals

Features

- ◆ Compact design, all-in-one construction
- ◆ LED light provides long life, low consumption, high brightness
- ◆ IP65 front-of-panel high protection against ingress of solid objects, dust, and water
- ◆ Excellent resistance to mechanical shock and vibration
- ◆ Anti-interference, no improper indication of residual lights

Online Content



Selection Code

Range name	Drilling or cut-out for mounting	Type	Step-down type	Shape of head	Rated voltage	Color
HLD11	22	D	4	1	M	4
	22: Ø22	A: Full cover head & long terminal	2: Resistance type	1: Circular	T: AC/DC 6V J: AC/DC 12V B: AC/DC 24V F: AC/DC 110V M: AC/DC 220V	7: White 3: Green 4: Red 5: Yellow 8: Blue
			4: Capacitance type		N: AC 230V Q: AC 380V	
	22: Ø22	B: Half cover head & long terminal	2: Resistance type	1: Circular	T: AC/DC 6V J: AC/DC 12V B: AC/DC 24V F: AC/DC 110V M: AC/DC 220V	7: White 3: Green 4: Red 5: Yellow 8: Blue
			4: Capacitance type		N: AC 230V Q: AC 380V	
	22: Ø22	C: Full cover head & short terminal	2: Resistance type	1: Circular	T: AC/DC 6V J: AC/DC 12V B: AC/DC 24V F: AC/DC 110V	7: White 3: Green 4: Red 5: Yellow 8: Blue
			4: Capacitance type		M: AC 220V N: AC 230V Q: AC 380V	
	22: Ø22	D: Half cover head & short terminal	2: Resistance type	1: Circular	T: AC/DC 6V J: AC/DC 12V B: AC/DC 24V F: AC/DC 110V	7: White 3: Green 4: Red 5: Yellow 8: Blue
			4: Capacitance type		M: AC 220V N: AC 230V Q: AC 380V	

Technical Parameters		
Pilot Lights	HLD11	
Rated voltage	AC/DC (Resistance type) A2,B2: 6V,12V,24V,36V,48V,110V,220V, C2,D2: 6V,12V,24V,36V,48V,110V	AC (Capacitance type) A4,B4,C4,D4: 220V,230V,380V
Rated current (mA)	≤50	
Working life (H)	30000	
Brightness of light (cd/m ²)	≥40	
Power frequency withstand voltage	2500V AC 1min	
Degree of protection	IP65	

CONTROL COMPONENTS

HDZ9 Miniature Relays

Standard: IEC60947-4



HDZ9

Range Presentation

HDZ9 is Himel range of Miniature Relays designed to implement control signal conversion to low power output. They can be widely used for industrial control applications

Features

- ◆ Rated current: 3A, 5A, 10A
- ◆ Pole: 2-pole, 3-pole, 4-pole
- ◆ Maximum rated operating Voltage: 690V
- ◆ Rated operating frequency: 50/60Hz
- ◆ Coil specification: DC: 6V~220V; AC: 6V~380V
- ◆ New specification: Rotary push button



Selection Code

Range name	Current	Poles	AC/DC	LED	Coil voltage	Type
HDZ9	05	2	D	L	M	R
HDZ9	03: 3A 05: 5A 10: 10A	2: 2P 3: 3P 4: 4P	Default: AC D: DC	Default: None L: LED	T: 6V J: 12V B: 24V C: 36V E: 48V F: 110V S: 127V M: 220V N: 230V U: 240V Q: 380V	Default: Classic R: Rotary button

Technical Parameters							
Miniature relays		HDZ9					
Type		03	05			10	
		4P	2P	3P	4P	2P	3P 4P
Max load current		3A	5A			10A	
Max operation voltage		250VAC 28VDC					
Contact resistance		≤100mΩ					
Contact material		Silver Alloy					
Electrical endurance		≥100000 times (1800 times/h)					
Mechanical endurance		≥10000000 times (18000 times/h)					
Actuation voltage (23℃)		DC: ≤75% (rated voltage), AC: ≤80% (rated voltage)					
Release voltage (23℃)		DC: ≥10% (rated voltage), AC: ≥30% (rated voltage)					
Maximum voltage (23℃)		110% (rated voltage)					
Insulation resistance		≥100MΩ (500VDC)					
Coil power		DC: 0.9 W AC:1.2VA					
Actuation time (rated voltage)		≤15ms					
Release time (rated voltage)		≤10ms					
Withstand voltage	polar- contacts	1500VAC/1min (residual current is 1mA)					
	bipolar - contacts	1200VAC/1min (residual current is 1mA)					
	coil -contacts	1500VAC/1min (residual current is 1mA)					
Ambient temperature		-25℃ ~+55℃					
Ambient humidity		35%~85%RH					
Atmospheric pressure		86~106KPa					
Installation method		Plug-in					
Weight		30g					
Coil voltage		DC: 6V~220V; AC: 6V~380V.					
Certificate		CB, CE, SEMKO					

CONTROL COMPONENTS

HDZ9 Miniature Relays

Standard: IEC60947-4

Base Selection Code

Classic Type



Rated Current	Poles	Control Voltage	LED	Reference	Base		
					economical	Basic	European
5A	2	AC	L	HDZ9052L*	HPYF08A	HPYF08A15	HPYF08AZ
		AC	None	HDZ9052*	HPYF08A	HPYF08A15	HPYF08AZ
		DC	L	HDZ9052DL*	HPYF08A	HPYF08A15	HPYF08AZ
		DC	None	HDZ9052D*	HPYF08A	HPYF08A15	HPYF08AZ
	3	AC	L	HDZ9053L*	HPYF11A		
		AC	None	HDZ9053*	HPYF11A		
		DC	L	HDZ9053DL*	HPYF11A		
		DC	None	HDZ9053D*	HPYF11A		
	4	AC	L	HDZ9054L*	HPYF14A	HPYF14A15	HPYF14AZ
		AC	None	HDZ9054*	HPYF14A	HPYF14A15	HPYF14AZ
		DC	L	HDZ9054DL*	HPYF14A	HPYF14A15	HPYF14AZ
		DC	None	HDZ9054D*	HPYF14A	HPYF14A15	HPYF14AZ
3A	4	AC	L	HDZ9034L*	HPYF14A	HPYF14A15	HPYF14AZ
		AC	None	HDZ9034*	HPYF14A	HPYF14A15	HPYF14AZ
		DC	L	HDZ9034DL*	HPYF14A	HPYF14A15	HPYF14AZ
		DC	None	HDZ9034D*	HPYF14A	HPYF14A15	HPYF14AZ
10A	2	AC	L	HDZ9102L*	HPTF08A	HPTF08A15	
		AC	None	HDZ9102*	HPTF08A	HPTF08A15	
		DC	L	HDZ9102DL*	HPTF08A	HPTF08A15	
		DC	None	HDZ9102D*	HPTF08A	HPTF08A15	
	3	AC	L	HDZ9103L*	HPTF11A	HPTF11A15	
		AC	None	HDZ9103*	HPTF11A	HPTF11A15	
		DC	L	HDZ9103DL*	HPTF11A	HPTF11A15	
		DC	None	HDZ9103D*	HPTF11A	HPTF11A15	
	4	AC	L	HDZ9104L*	HPTF14A	HPTF14A15	
		AC	None	HDZ9104*	HPTF14A	HPTF14A15	
		DC	L	HDZ9104DL*	HPTF14A	HPTF14A15	
		DC	None	HDZ9104D*	HPTF14A	HPTF14A15	



CONTROL COMPONENTS

HDZ9 Miniature Relays

Standard: IEC60947-4

Base Selection Code

Rotary Button Type



Rated Current	Poles	Control Voltage	LED	Reference	Base		
					Economical	Basic	European
5A	2	AC	L	HDZ9052L*R	HPYF08A	HPYF08A15	HPYF08AZ
		AC	None	HDZ9052*R	HPYF08A	HPYF08A15	HPYF08AZ
		DC	L	HDZ9052DL*R	HPYF08A	HPYF08A15	HPYF08AZ
		DC	None	HDZ9052D*R	HPYF08A	HPYF08A15	HPYF08AZ
3A	4	AC	L	HDZ9034L*R	HPYF14A	HPYF14A15	HPYF14AZ
		AC	None	HDZ9034*R	HPYF14A	HPYF14A15	HPYF14AZ
		DC	L	HDZ9034DL*R	HPYF14A	HPYF14A15	HPYF14AZ
		DC	None	HDZ9034D*R	HPYF14A	HPYF14A15	HPYF14AZ

* is control voltage and with/with not test button
Base type



Accessory jump ring	Adapted
HPY36M2C	HPYF08A15
HPY36S	HPYF08A15 HPYF08A HPYF14A15 HPYF14A HPTF08A
HIHPY36M	HPYF14AZ HPYF08AZ HPTF08A15

HJSZ3 Electronic Timer Relays

Standard: IEC60947-4



Range Presentation

HJSZ3 is Himel range of ElectronicTimer relay designed for industrial control applications.

HJSZ3 is applicable to AC 50Hz circuits with controlling voltage up to 400V.

Features

- ◆ Multi-position typeTime delay range
- ◆ Power-on/off delay type available
- ◆ Wild rated voltage input range from 85%~110%

Online Content



HJSZ3

Selection Code

Range name	Time delay	Operation voltage	Range name	Time delay	Operation voltage
HJSZ3A	A	120	HJSZ3F	2S	120
HJSZ3A Time delay after power-on	A: 0.05-0.5s/5s/30s/3M B: 0.1-1s/10s/60s/6M C: 0.5-5s/50s/5M/30M D: 1-10s/100s/10M/60M E: 6s-60s/10M/60M/6h F: 0.2M-2M/20M/2h/12h G: 0.4M-4M/40M/4h/24h	120 240 400	HJSZ3F Time delay after power-off	1S: 0.1-1s 2S: 0.2-2s 3S: 0.3s-3s 5S: 0.5s-5s 6S: 0.6s-6s 10S: 1s-10s 20S: 2s-20s 30S: 3s-30s 60S: 6s-60s 100S: 10s-100s 180S: 18s-180s 5M: 0.5min-5min 6M: 0.6min-6min 10M: 1min-10min 20M: 2min-20min 30M: 3min-30min	120 240 400

Technical Parameters		
Electronic Timer Relays		HJSZ3
Condition	AC-15	400V/1.95A; 240V/1.5A; 120V/3.0A
	DC-13	250V/0.27A; 125V/0.55A
Repetitive error	≤5%	
Rated themal current	5A	
Mechanical life	≥1×10 ⁶ times	
Electric life	≥1×10 ⁵ times	
Power loss	≤3W	
Working mode	A: Delay after power-on	F: Delay after power-off
Reset mode	A: Power-off reset	F: External device reset
Contactor endurance	A: 5A (Resistive)	F: 1A(Resistive)
Delay time	HJSZ3A: 0.05s-0.5s/5s/30s/3M, 0.1s-1s/10s/60s/6M	
	0.5s-5s/50s/5M/30M, 1s-10s/100s/10M/60M	
	6s-60s/10M/60M/6h, 0.2M-2M/20M/2h/12h	
	0.4M-4M/40M/4h/24h	
	HJSZ3F: 0.1s-1s, 0.2s-2s, 0.3s-3s, 0.5s-5s, 0.6s-6s, 1s-10s, 2s-20s, 3s-30s, 6s-60s, 10s-100s, 10s-120s, 10s-180s, 0.4M-4M, 0.5M-5M, 0.6M-6M, 1M-10M, 2M-20M, 3M-30M	
Temperature	-5°C ~ +40°C	
Installation mode	Din rail mounted, Panel mounted	

HXJ9 Phase Failure and Sequence Proctection Relay

Standard: IEC60947-4



Range Presentation

HXJ9 is Himel range of phase failure and sequence protection relay

Features

- ◆ Rated frequency is 50Hz, and rated control supply AC voltage is 400V
- ◆ Phase failure and phase sequence protections

Online Content



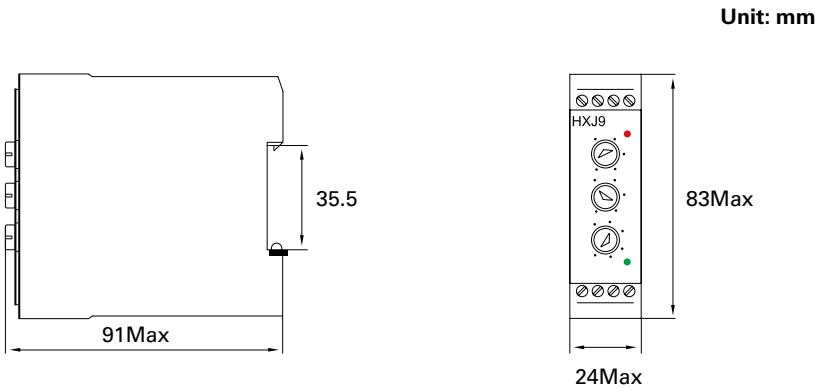
HXJ9

Order Information

Function	Voltage	Reference
Phase Failure and sequence Protection	380V	HXJ9
	400V	HXJ9400

Technical Parameters	
Standard	IEC 60947-5-1
Overvoltage protection	Adjustable, HXJ9: 380~460V, HXJ9400: 400~480V, Reaction time: 1.5s-4s (adjustable)
Undervoltage protection	Adjustable, HXJ9: 300~380V, HXJ9400: 320~400V. Reaction time: 2s-9s (adjustable)
Phase failure & phase wrong protect time	Reaction time ≤2s
Contactor mode	1 NO, 1NC
Contactor endurance	5A Resistive
Power voltage	AC 400V
Mechanical lifetime	≥1×10 ⁶ times
Electrical lifetime	≥1×10 ⁵ times
Power loss	≤1W
Contactor capacity	AC400V×3

Overall Dimensions



CONTROL COMPONENTS

HKG Digital Time Switches

Standard: IEC60947-5-1



Range Presentation

- HKG is Himel range of Digital Time Switches to control electrical components, turning on and off the circuits according to the scheduled time.
- Rated AC frequency is 50Hz, and rated AC control voltage is 400V or below
- Time control components in automatic control circuit, and turn on or off the circuits according to the scheduled time

Features

- ◆ Full range up to 400V
- ◆ Up to 32 daily switches (16 ON-16 OFF)
- ◆ Daily or weekly program
- ◆ Reset method:
HKG316T: Power-off reset
HKG316TD: Key-button reset
HKG816: Key-button reset

Selection Code

Range name	Rated control voltage	Output number
HKG316T	230	2
HKG316T HKG316TD HKG816A: White cover HKG816B: Transparent cover	230: 230V (HKG816 is only working under 230V) 400: 400V	Default: Single output 2: Double output (only for HKG316T)



Technical Parameters				
Digital Time Switches	HKG316T	HKG316TD	HKG816A	HKG816B
Control time	1min≤t≤168h (time is controlled in a daily cycle or a weekly cycle)			
Utilization mode	AC-15: 240V/3A 400V/1.9A	AC-15: 240V/3A	AC-15: 240V/3A; 400V/1.9A	
Maximum switch times per day	16-ON-16-OFF (Single output) 8-ON-8-OFF (Double output)	16-ON-16-OFF	16-ON-16-OFF	
Rated control voltage	230/400V AC	230/380V AC	230V AC	
Rated thermal current	10A			
Accuracy	≤2s/day			
Display Model	Digital LED display			
Time-set Mode	Digital Keyswitch setting			
Battery	Inner alkaline battery	Inner rechargeable battery		

Online Content



HKG316



HKG816

CONTROL COMPONENTS

HXC Limit Switch

Standard: EN60947-5-1



Range Presentation

Limit Switches are basic switches that are used to protect machine and device.
Different type of limit switches are available e.g. heat, cold, or corrosion resistant and other high-precision models as well.

Features

- ◆ Double circuit type of limit switch
- ◆ Compact size, IP65/66 water-proof and oil-proof construction
- ◆ Built-in contact box has double-spring and long mechanical life
- ◆ Smooth operation with larger over travel distance
- ◆ Various types for different application

Selection Code

Range name	Series	Type	Head
HXC	KM	8108	E
Limit Switch	KM: Metal box KP: Plastic box KD: full-metal box MP: Micro switch, plastic box	Selection of trigging head type	E: Eco type



Technical Parameters				
series	HXCKM	HXCKP	HXCKD	HXCMP
Operation speed	5mm-0.5m/s	5mm-0.5m/s	5mm-0.5m/s	0.05mm-1m/s (Plunger type)
Operating frequency	Electical: 30 operations/min	Electical: 30 operations/min	Electical: 30 operations/min	Electical: 20 operations/min
Contact resistance	25mΩ max. (initial value)	25mΩ max. (initial value)	25mΩ max. (initial value)	15mΩ max. (initial value)
Insulation resistance	100mΩ min. (below 500VDC)	100mΩ min. (below 500VDC)	100mΩ min. (below 500VDC)	100mΩ min. (at 500VDC)
Vibration	10-55Hz,1.5mm double amplitude	10-55Hz,1.5mm double amplitude	10-55Hz,1.5mm double amplitude	(*10 to 20Hz): 1.5 Vibration amplitude action duration: 10 to 55Hz
Shock	Mechanical durable: 1, 000m/Sec2 (about 100G'S)	Mechanical durable: 1, 000m/Sec2 (about 100G'S)	Mechanical durable: 1, 000m/Sec2 (about 100G'S)	Mechanical durable: 1, 000m/Sec2 (about 100G'S)
Malfunction	300m/Sec2 (about 30G'S)	300m/Sec2 (about 30G'S)	300m/Sec2 (about 30G'S)	300m/Sec2 (about 30G'S)
Ambient temperature	Using: -20~+70°C (With no icing)	Using: -20~+70°C (With no icing)	Using: -20~+70°C (With no icing)	Using: -20~+80°C (With no icing)
Humidity	<95% RH	<95% RH	<95% RH	General purpose type: 85% RH max. Sealed type: 95% RH max.
Electrical life	500,000 operations above	500,000 operations above	500,000 operations above	500,000 operations above
Protection level	IP65	IP65	IP66	IP65(with cap)
CE	YES	YES	YES	YES

CONTROL COMPONENTS

HXC Limit Switch

Standard: EN60947-5-1

HXCKM Series



HXCKM-8104E



HXCKM-8105E



HXCKM-8107E



HXCKM-8108E



HXCKM-8109E



HXCKM-8111E



HXCKM-8112E



HXCKM-8122E

HXCKP Series



HXCKP-101



HXCKP-102



HXCKP-103



HXCKP-111



HXCKP-112



HXCKP-127



HXCKP-121



HXCKP-121M



HXCKP-131



HXCKP-131M

CONTROL COMPONENTS

HXC Limit Switch

Standard: EN60947-5-1

HXCKD Series



HXCKD-001



HXCKD-003



HXCKD-021



HXCKD-021M



HXCKD-031



HXCKD-031M



HXCKD-012



HXCKD-041



HXCKD-051

HXCMP Series



HXCMP-1701



HXCMP-1702



HXCMP-1703



HXCMP-1703M



HXCMP-1704



HXCMP-1704M



HXCMP-1705



HXCMP-1706



HXCMP-1306



HXCMP-1307



HXCMP-1308



HXCMP-1309



HXCMP-1308X



CAP-B



CAP-Y



CAP-C

CONTROL COMPONENTS

HDK Switch Mode Power Supply

Standard: EN 61558-1



Range Presentation

HDK is Himel range of Switch Mode Power Supply. It can be widely used in the following fields:

- Industrial control system
- Industrial automation machinery
- Mechanical and electrical equipment
- Electronic instruments
- Household appliances

In those fields, our product is used as the power supply for LED screen, electronic testing equipment, control equipment, radio and television, computer network, medical apparatus and instruments, intelligent monitoring, and many more.

Features

HDK-US:

- ◆ 30mm ultra-thin enclosure design
- ◆ Easy to install and light weight
- ◆ Full range of AC input voltage (90~264VAC); high efficiency and small output ripple
- ◆ Low power loss design; less heat consumption; no load power consumption is only 0.2-1.0W
- ◆ High frequency PWM control technology & fast response
- ◆ High power MOSFET driving; stable and reliable operation; strong overload ability
- ◆ 100% full load aging test can be passed for all products
- ◆ Complete protection functions: overvoltage protection, overload protection, over-temperature protection, short circuit protection, etc.

HDK-NS (Din-rail type):

- ◆ Din-rail type for installation;
- ◆ Narrow surface metal enclosure design;
- ◆ Excellent capacity of heat dissipation;
- ◆ Full range of AC input voltage (90~264VAC); high efficiency and small output ripple;
- ◆ Low power loss design
- ◆ Completed protection functions: overvoltage protection, overload protection, over-temperature protection, short circuit protection, etc.

Selection Code

Model HDK	Type US	Rated Power 50	Output Voltage 12
Product series name	US: Ultra-thin type	35: 35W 50: 50W 75: 75W 100: 100W 150: 150W 200: 200W 350: 350W	05: 5V 12: 12V 24: 24V 36: 36V 48: 48V
Product series name	NS: Narrow surface type	75: 75W 120: 120W 240: 240W 480: 480W	12: 12V 24: 24V 36: 36V 48: 48V (for 240W and 480W, only 24V and 48V are available)

CONTROL COMPONENTS

HDK Switch Mode Power Supply

Standard: EN61558-1



Technical Parameters		
Product Type	HDK-US	HDK-NS
AC Input Voltage	35W, 50W, 75W, 100W, 150W: 100~264 V (actual input voltage range: 90~264 V) 200W, 350W: 85~132 V / 176~264 V (can be switched)	100-240VAC
Voltage Accuracy	±1%	±1%
Ripple and Noise	≤1% peak value (100mVp-p standard)	1%(mVp-p) of rated output voltage
Regulation range of Output Voltage	±10%	±10%
Voltage Tolerance	±1%	±1%
Overload Protection	110%-150%	110%-150%
Load Regulation Rate	±1%	±1%
Leakage Current	< 2mA240VAC	< 2mA240VAC
Efficiency	O/5V: ≥ 80% O/12V: ≥ 85% O/24V, 36V: ≥ 86% O/48V: ≥ 88%	88%
Standard	EN61558-1	EN61558-1

CONTROL COMPONENTS

HBK Control Transformers

Standard: IEC61558-2-2



Range Presentation

HBK series is Himel range of AC to AC Voltage Transformers. It is applied to the electrical system of the machine tool and other mechanical equipments which is used as the power supply of the control circuits, lighting circuit, signaling circuits and electronic devices; it also has two or more than two-electrical-isolated – winding transformer.

Features

- ◆ Simple structure and strong anti-seismic capacity
- ◆ High level automation and good product consistency.
- ◆ Good safety performance and high production efficiency
- ◆ Strong load capacity and overvoltage capacity

Online Content



HBK

Selection Code

Range name	Rated capacity	Voltage ratio (input/output)	Isolation	Transformer type	Voltage type
HBK	100	E9	G	M	C
HBK	00025: 25VA 00050: 50VA 00060: 60VA 00063: 63VA 00100: 100VA 10000: 10kVA 15000: 15kVA 20000: 20kVA	D1: 380V/220V D2: 380V/36V D3: 380V/24V D7: 220V/220V D8: 220V/36V D9: 220V/24V D5V: 380V/5V E1: 400V/230V E7: 230V/230V E8: 230V/36V E9: 230V/24V E5V: 230V/5V F1: 240V380V 415V/12V24V110V F2: 230V380V415V /12V24V230V	Default: no isolation G: isolation: only available when input equals to output voltage	Default: single-input & single-output type M: Multi-input & Muti-output type	For Multi-input & Muti-output type, two structures can be selected: C: Center-tapped Winding S: Separate Winding

Note: For customization requirement, please consult us directly

Technical Parameters	
Control Transformers	HBK
Rated voltage	≤1200V
Rated frequency	50Hz, 60Hz
Insulation resistance	≥5MΩ
Insulation class	B
Rated duty	Uninterrupted Duty
Standard	IEC 61558-2-2
Certificate	CE

CONTROL COMPONENTS

HICF Axial Fan

Standard: EN 55032:2015; EN61000-3-2:2014; EN61000-3-3:2013;



Range Presentation:

HICF series axial fan is designed for cooling and air ventilation for control panels, cabinets, machines, electric appliance, EV cars, etc.
The products meet the requirements of 24h continuous working condition.

Features:

- ◆ With good quality and high strength shell, the HICF series axial fan is temperature, break and corrosion resistant.
- ◆ Equipped with high quality motor, the axial fan has large air volume, low noise and good heat dissipation effect.
- ◆ High quality copper coil, good conductivity, low power consumption, low heating.
- ◆ Anti-reverse wire connection protection - safer to use.

Silicon steel:

Super thick steel, ensure stability of the fan

Cooper wire:

High quality cooper wire, lower temperature rise, long mechanical life

Bearing:

Dual-ball bearing: High quality dual-ball bearing motor, low friction, high efficiency and longer life endurance

Oil bearing motor: Low cost, vibration absorption and low noise

High quality PBT balde:

Environment friendly and fireproof PBT blade, excellent structure stability and large air volume.

Selection Code

Range name	Width	Height	Voltage	Bearing	Connection
HICF	280	80	A2	B	L
HICF	40: 40x40mm 50: 50x50mm 80: 80x80mm 92: 92x92mm 120: 120x120mm 160: 160x160mm 180: 180x180mm 200: 200x200mm ... Special: 170: 172x150mm	15: 15mm 20: 20mm 25: 25mm 38: 38mm 50: 50mm 60: 60mm 70: 70mm	A2: AC220V D2: DC24V D1: DC12V ...	B: ball S: lube	L: cable-out

CONTROL COMPONENTS

HICF Axial Fan

Standard: EN 55032:2015; EN61000-3-2:2014; EN61000-3-3:2013;

Technical Parameter

AC axial Fan
Frame is made of Aluminum Alloy material, Impeller is made of :PBT+30%GF material; Insulation level:CLASS B; protection level: IP44.



Commercial reference	HICF8025A2BL	HICF8025A2SL	HICF8038A2BL	HICF8038A2SL
Product size (mm)	80*80*25	80*80*25	80*80*38	80*80*38
Rated voltage	220V AC at 50/60 Hz	220V AC at 50/60 Hz	220V AC at 50/60 Hz	220V AC at 50/60 Hz
Rated current (A)	0.09/0.08A	0.09/0.08A	0.06/0.05A	0.06/0.05A
Rated power(W)	15/12W	15/12W	9.5/7W	9.5/7W
Speed (RPM)	2300/2750	2300/2750	2550/3100	2550/3100
Air pressure mmH ₂ O (mmAQ)	2.2/2.4	2.2/2.4	2.6/2.8	2.6/2.8
Noise level (dBA)	38	38	38	38
Air flow (CFM)	32/35	32/35	39/42	39/42



Commercial reference	HICF9225A2BL	HICF9225A2SL	HICF9238A2SL	HICF12025A2BL
Product size (mm)	92*92*25	92*92*25	92*92*38	120*120*25
Rated voltage	220V AC at 50/60 Hz	220V AC at 50/60 Hz	220V AC at 50/60 Hz	220V AC at 50/60 Hz
Rated current (A)	0.1/0.08A	0.1/0.08A	0.06/0.05A	0.1/0.08A
Rated power(W)	13/11W	16/13W	10/8W	17/14W
Speed (RPM)	2350/2800	2350/2800	2300/2750	2300/2700
Air pressure mmH ₂ O (mmAQ)	3.1/3.4	3.1/3.4	4.5/4.9	2.9/3.1
Noise level (dBA)	38	38	41	45
Air flow (CFM)	45/50	45/50	66/72	44/45



Commercial reference	HICF12025A2SL	HICF12038A2BL	HICF12038A2SL	HICF15050A2BL
Product size (mm)	120*120*25	120*120*38	120*120*38	150*150*50
Rated voltage	220V AC at 50/60 Hz	220V AC at 50/60 Hz	220V AC at 50/60 Hz	220V AC at 50/60 Hz
Rated current (A)	0.1/0.08A	0.15/0.12A	0.15/0.12A	0.25/0.23A
Rated power(W)	17/14W	21/18W	21/18W	35/32W
Speed (RPM)	2300/2700	2600/3000	2600/3000	2600/2900
Air pressure mmH ₂ O (mmAQ)	2.9/3.1	6.7/7.6	6.7/7.6	16/17.8
Noise level (dBA)	45	48	48	51
Air flow (CFM)	44/45	93/98	93/98	372/400

CONTROL COMPONENTS

HICF Axial Fan

Standard: EN 55032:2015; EN61000-3-2:2014; EN61000-3-3:2013;



Commercial reference	HICF16060A2BL	HICF17040A2BL	HICF17050A2BL	HICF20060A2BL	HICF20070A2BL
Product size (mm)	160*160*60	172*150*38	172*150*51	200*200*60	200*200*70
Rated voltage	220V AC at 50/60 Hz	220V AC at 50/60 Hz	220V AC at 50/60 Hz	220V AC at 50/60 Hz	220V AC at 50/60 Hz
Rated current (A)	0.13/0.1A	0.14/0.13A	0.25/0.23A	0.48/0.5A	0.2/0.22A
Rated power(W)	25/24W	28/27W	35/32W	68/75W	45/52W
Speed (RPM)	2750/3150	2850/3300	2600/2900	2600/3000	2550/2950
Air pressure mmH ₂ O (mmAQ)	26.5/28.6	10.2/11.6	17/18.8	25/33	32
Noise level (dBA)	61	51	51	67	68
Air flow (CFM)	390/420	150/170	206/251	370/420	465

DC Axial Fan
Made of PBT+30%GF material; Insulation level:CLASS B; protection level: IP44.



Commercial reference	HICF4020D2SL	HICF5015D2BL	HICF5020D2BL	HICF6025D2BL	HICF8025D2BL
Product size (mm)	40*40*20	50*50*15	50*50*20	60*60*25	80*80*25
Rated voltage	24V DC	24V DC	24V DC	24V DC	24V DC
Rated current (A)	0.05A	0.1A	0.12A	0.12A	0.25A
Rated power(W)	0.72W	2.4W	2.4W	4.8W	2.64W
Speed (RPM)	5800RPM	6400RPM	5800RPM	5500RPM	3500RPM
Air pressure mmH ₂ O (mmAQ)	3.9	5.23	6.55	8.1	4.94
Noise level (dBA)	27	36.7	35.08	37.8	37.9
Air flow (CFM)	6.6	14.5	21.71	23.8	43.9



Commercial reference	HICF9225D2BL	HICF9225D2SL	HICF12025D2BL	HICF12025D1BL	HICF12038D1BL	HICF12038D2BL
Product size (mm)	92*92*25	92*92*25	120*120*25	120*120*25	120*120*38	120*120*38
Rated voltage	24V DC	24V DC	24V DC	12V DC	12V DC	24V DC
Rated current (A)	0.38A	0.26A	0.25A	0.25A	0.3A	0.2A
Rated power(W)	7.2W	7.2W	6.72W	7.2W	4.8W	4.8W
Speed (RPM)	4000RPM	4000RPM	2600RPM	2600RPM	2600RPM	2500RPM
Air pressure mmH ₂ O (mmAQ)	6	6	5.3	5.3	6.24	6.24
Noise level (dBA)	41.2	41.2	37.2	37.2	42.6	42.6
Air flow (CFM)	64.8	64.8	78.2	78.2	117.6	117.6

HICF Axial Fan

Standard: EN 55032:2015; EN61000-3-2:2014; EN61000-3-3:2013;

Accessories			
Picture	Commercial reference	Description	Size
 Metal protection net	HICFG80	Metal protection net, Suitable for 80mm fan	80MM
	HICFG90	Metal protection net, Suitable for 92mm fan	90MM
	HICFG110	Metal protection net, Suitable for 110mm fan	110MM
	HICFG120	Metal protection net, Suitable for 120mm fan	120MM
	HICFG150	Metal protection net, Suitable for 150-160mmfan	150MM
	HICFG200	Metal protection net, Suitable for 200-210mm fan	200MM
 Filter net	HICFF80	Filter net, Suitable for 80mm fan	80MM
	HICFF92	Filter net, Suitable for 90mm fan	90MM
	HICFF120	Filter net, Suitable for 120mm fan	120MM
	HICFF170	Filter net, Suitable for 170×50 150×50mm fan	150MM
	HICFF200	Filter net, Suitable for 200mm fan	200MM
 Three in one dustproof net	HICFD80	Three in one dustproof net for 80mm fan	80MM
	HICFD90	Three in one dustproof net for 92mm fan	90MM
	HICFD120	Three in one dustproof net for 120mm fan	120MM
	HICFD150	Three in one dustproof net for 160mm fan	150MM
	HICFD200	Three in one dustproof net for 210mm fan	200-210mm

HICTUK series Terminal

Standard: EN60947-7-1; EN60947-7-2; EN60947-7-3; EN60947-1



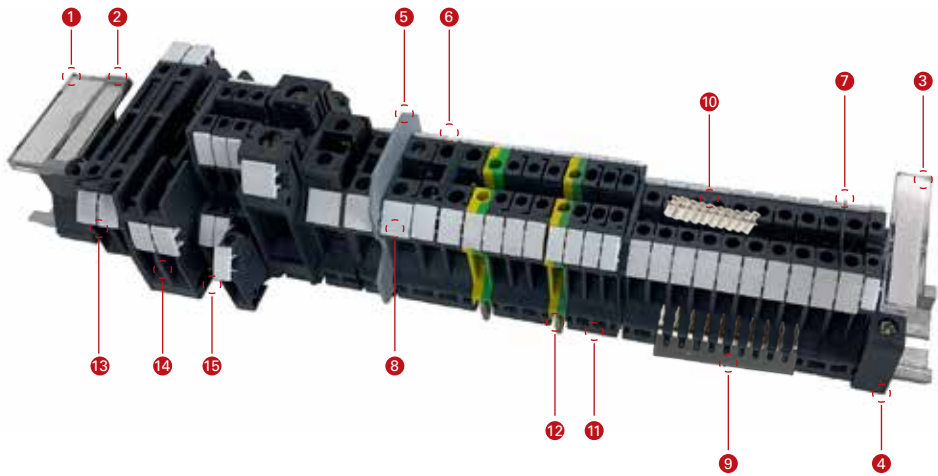
Range Presentation:

HICTUK series terminal is designed for distribution box and control panles, It offers the terminal blocks from 1.5mm²-95mm². Except general terminal bock, it also contains the ground terminal block, test terminal block, double-level flange terminal block, and fuse modular terminal block. Accessories like marker bar, spacer plate, fixed bridge and side bridge are also available which makes it easy for customer to connect wires.

Features:

- ◆ **High quality nickle plated copper material:** Excellent wear resistance and corrosion resistance, good conductivity
- ◆ **Strong shell with good engineering plastics:** Flame retardant, high temperature resistant, firm and safe
- ◆ **Plenty of connection blocks and accessories:** Maximum flexibility

Product Appearance



Accessories		Terminal blocks
1	Big marker clip	11 General terminal block
2	Small marker clip	12 Installation ground terminal block
3	Transparent marker clip	13 Fuse modular terminal block
4	HICTUK fixings	14 Test terminal block
5	Spacer plate	15 Double-level flange terminal block
6	Big spacer	
7	Small spacer	
8	Blank marker bar	
9	Side insert bridge connector	
10	Fixed Bridge connector	

Selection Code

Series name	Connection ability	Terminal block type
HICTUK	3	N
HICTUK: Terminal blocks	1P5: 1.5mm ² 2P5: 2.5mm ² 3: 3mm ² 5: 5mm ² 6: 6mm ² 10: 10mm ² 35: 35mm ² 50: 50mm ² 95: 95mm ²	General Type: N(1P5,3,5,6,10,35,50,95),B(2P5); Ground terminal: JD (From 2P5 to 35); Double-level terminal: K3; K5; KB5(KB5-Both layer can be bridged) Test terminal: T; (Just 6T) Fuse modular terminal: HESI (Just 5HESI)

HICTUK series Terminal

Standard: EN60947-7-1; EN60947-7-2; EN60947-7-3; EN60947-1



Technical Parameter						
Product Type	HICTUK series general terminal block					
Product reference	HICTUK1P5N	HICTUK2P5B	HICTUK3N	HICTUK5N	HICTUK6N	HICTUK10N
cable cross section(mm²)	0.14-1.5	0.2-2.5	0.2-2.5	0.2-4	0.2-6	0.5-10
cable cross section(AWG)	26-16	24-12	24-12	24-10	24-8	20-6
In rated current (A)	17.5	24	24	32	41	57
Ue rated operational voltage (V)	500V	800V	800V	800V	800V	800V
Dielectric strength (V)	500V	800V	800V	800V	800V	800V
Product size (Length*Width*Hight) (mm*mm*mm)	42.5*4.2*41	42.5*6.2*41	42.5*5.2*46	42.5*6.2*46	42.5*8.2*46	42.5*10.2*46
Installation mode	NS32, NS35					
connections - terminals	M2	M3	M3	M3	M4	M4
Tightening torque(N.m)	0.22-0.25 N.m	0.6-0.8 N.m	0.6-0.8 N.m	0.6-0.8 N.m	1.5-1.8 N.m	1.5-1.8 N.m
Wire stripping length(mm)	7	7	8	8	10	10
Insulation material	PA					
Flame retardance	V2					
Ambient air temperature for operation (°C)	-40 ~100					



Accessories Reference:						
Spacer plate	HICTUK2P5G		HICTUK3N10NG			
Fixed bridge	-	HICTUKFB12P5B	HICTUKFB13N	HICTUKFB12P5B	HICTUKFB16N	HICTUKFB110N
Side insert bridge	-	HICTUKEB2P5BD	HICTEB103N	HICTUKEB2P5BD	-	-
Spacer	-	HICTUKTSKK3	HICTUKTSK			
Block sort	HICTUKATP					
Fixing	HICTUKW					
Transparent marker clip	HICTUKLMAT					
Big marker clip	HICTUKB2					
Small marker clip	HICTUKB1					
Blank marker bar	HICTUK1P5NZB4	HICTUK 2P5N5NZB6	HICTUK3NZB5	HICTUK 2P5N5NZB6	HICTUK6NZB8	HICTUK10NZB10
Printed marker bar	-	HICTUK 2P5N5NZB6M	HICTUK3NZB5M	HICTUK 2P5N5NZB6M	HICTUK6NZB8M	HICTUK10NZB10M

HICTUK series Terminal

Standard: EN60947-7-1; EN60947-7-2; EN60947-7-3; EN60947-1



Technical Parameter				
Product Type	HICTUK series general terminal block			
Product reference	HICTUK16N	HICTUK35N	HICTUK50N	HICTUK95N
cable cross section(mm²)	2.5-16	10-35	16-50	35-95
cable cross section(AWG)	14-4	8-2	6-2/0	4-3/0
In rated current (A)	76	125	150	232
Ue rated operational voltage (V)	800V	800V	1000V	1000V
Dielectric strength (V)	800V	1000V	1000V	1000V
Product size (Length*Width*Hight) (mm*mm*mm)	42.5*12.2*53	50*16*62	70.5*20*77	84*25*90.5
Installation mode	NS32, NS35			
connections - terminals	M4	M6	M6	M8
Tightening torque(N.m)	1.5-1.8 N.m	3.2-3.7N.m	6-8N.m	15-20N.m
Wire stripping length(mm)	11	16	24	33
Insulation material	PA			
Flame retardance	V2			
Ambient air temperature for operation (°C)	-40 ~100			



Accessories reference				
Spacer plate	HICTUK16NG	-	-	-
Fixed bridge	HICTUKFB116N	HICTUKFB135N	-	-
Side insert bridge	-	-	-	-
Spacer	HICTUKTSK		-	-
Block sort	HICTUKATP	-	-	-
Fixing	HICTUKW			
Transparent marker clip	HICTUKLMAT			
Big marker clip	HICTUKB2			
Small marker clip	HICTUKB1			
Blank marker bar	HICTUK16NZB12			
Printed marker bar	HICTUK16NZB12M			

HICTUK series Terminal

Standard: EN60947-7-1; EN60947-7-2; EN60947-7-3; EN60947-1



Technical Parameter							
Product Type	HICTUK Series installation ground terminal block						
Product reference	HICTUK2P5JD	HICTUK3JD	HICTUK5JD	HICTUK6JD	HICTUK10JD	HICTUK16JD	HICTUK35JD
cable cross section(mm²)	0.2-2.5	0.2-2.5	0.2-4	0.2-6	0.5-10	2.5-16	10-35
cable cross section(AWG)	24-12	24-12	24-10	24-8	20-6	14-4	8-2
In rated current (A)	24	24	32	41	57	76	125
Ue rated operational voltage (V)	-	-	-	-	-	-	-
Dielectric strength (V)	-	-	-	-	-	-	-
Product size (Length*Width*Hight) (mm*mm*mm)	42.5*6.2*41	42.5*5.2*46	42.5*6.2*46	42.5*8.2*46	42.5*10.2*46	42.5*12.2*53	50.5*14.8*61.5
Installation mode	NS32,NS35						
Connections - terminals	M3	M3	M3	M4	M4	M4	M6
Cable cross section(mm²)	0.2-2.5	0.2-2.5	0.2-4	0.2-6	0.5-10	2.5-16	10-35
Tightening torque(N.m)	0.6-0.8 N.m	0.6-0.8 N.m	0.6-0.8 N.m	1.5-1.8 N.m	1.5-1.8 N.m	1.5-1.8 N.m	3.2-3.7N.m
Wire stripping length(mm)	7	8	8	10	10	11	16
Insulation material	PA						
Flame retardance	V2						
Ambient air temperature for operation(°C)	-40 ~100						



Accessories Reference						
Spacer plate	-					
Fixed bridge	-					
Side insert bridge	-					
Spacer	-					
Fixing	HICTUKW					
Transparent marker clip	HICTUKLMAT					
Big marker clip	HICTUKB2					
Small marker clip	HICTUKB1					
Blank marker bar	HICTUK 2P5N5NZB6	HICTUK 3NZB5	HICTUK 2P5N5NZB6	HICTUK 6NZB8	HICTUK 10NZB10	HICTUK16NZB12
Printed marker bar	HICTUK 2P5N5NZB6M	HICTUK 3NZB5M	HICTUK 2P5N5NZB6M	HICTUK 6NZB8M	HICTUK 10NZB10M	HICTUK16NZB12M

HICTUK series Terminal

Standard: EN60947-7-1; EN60947-7-2; EN60947-7-3; EN60947-1



Technical Parameter					
Product Type	HICTUK series Fuse modular terminal block	HTCTUK series Test terminal block	HICTUK series Double-level flange terminal block		
Product reference	HICTUK5HESI	HICTUK6T	HICTUKK3	HICTUKK5	HICTUKKB5
cable cross section(mm²)	0.2-4	0.2-6	0.2-2.5	0.2-4	0.2-4
cable cross section(AWG)	24-12	24-8	24-12	24-10	24-10
In rated current (A)	6.3	41	2.5	4	4
Ue rated operational voltage (V)	500V	500V	500V	500V	500V
Dielectric strength (V)	500V	500V	500V	500V	500V
Product size (Length*Width*Hight) (mm*mm*mm)	72.5*8.2*56	72.5*8.2*51.5	57*5.2*61	57*6.2*61	68*6.2*61
Installation mode	NS32,NS35				
Connections - terminals	M3	M4	M3	M3	M3
Cable cross section(mm²)	0.2-4	0.2-6	0.2-2.5	0.2-4	0.2-4
Tightening torque(N.m)	0.6-0.8 N.m	1.5-1.8 N.m	0.6-0.8 N.m	0.6-0.8 N.m	0.6-0.8 N.m
Wire stripping length(mm)	8	13	8	8	8
Insulation material	PA				
Flame retardance	V2				
Ambient air temperature for operation(°C)	-40 ~100				



Accessories Reference					
Spacer plate	-	HICTUK6TG	HICTUKK3G		-
Fixed bridge	-	HICTUKFB1RTKS	HICTUKFB13N	HICTUKFB12P5B	-
Side insert bridge	-	-	HICTUKEB2P5BD	HICTEB103N	-
Spacer	-	-	HICTTSKK3		
Fixing	HICTUKW				
Transparent marker clip	HICTUKLMAT				
Big marker clip	HICTUKB2				
Small marker clip	HICTUKB1				
Blank marker bar	HICTUK6NZB8	HICTUK6NZB8	HICTUK3NZB5	HICTUK2P5N5NZB6	HICTUK2P5N5NZB6
Printed marker bar	HICTUK6NZB8M	HICTUK6NZB8M	HICTUK3NZB5M	HICTUK2P5N5NZB6M	HICTUK2P5N5NZB6M

CONTROL COMPONENTS

HTB Brass Terminal Blocks

Standard: EN 61439-6



Range Presentation

HTB is Himel range of BrassTerminal Blocks designed for distribution box, distribution cabinet, lighting box, etc.

Features

- ◆ Brass with high strength, high hardness, good wear resistance, high carrying capacity, easy wiring, not easy to oxidize
- ◆ Wide choice of thickness and width

Online Content



HTB

Selection Code

Range name	Type	Cross section	Number of holes	*Color of holder	Reference	Hole diameter (mm)	Installation dimension (mm)	Overall dimension (mm)
HTB	010	0609	W4	Y				
	010: 010 typ	0609: 6mm*9mm	W4: 4 holes W6: 6 holes W8: 8 holes W10: 10 holes W12: 12 holes W14: 14 holes W16: 16 holes	Y: Yellow B: Blue	HTB0100609W4* HTB0100609W6* HTB0100609W8* HTB0100609W10* HTB0100609W12* HTB0100609W14* HTB0100609W16*	5.2	35x7.5	88.5x12.1 88.5x12.1 88.5x12.1 88.5x12.1 90.5x12.1 103.5x12.1 116.5x12.1
		0812: 8mm*12mm	W4: 4 holes W6: 6 holes W8: 8 holes W10: 10 holes W12: 12 holes W14: 14 holes W16: 16 holes	Y: Yellow B: Blue	HTB0100812W4* HTB0100812W6* HTB0100812W8* HTB0100812W10* HTB0100812W12* HTB0100812W14* HTB0100812W16*	6		88.5x12.1 88.5x12.1 88.5x12.1 88.5x12.1 102.5x12.1 117.5x12.1 132x12.1

Range name	Type	Cross section	Number of holes	*Color of holder	Reference	Hole diameter (mm)	Installation dimension (mm)	Overall dimension (mm)
HTB	019	0609	W4	B				
	019: 019 type	0609: 6mm*9mm	W4: 4 holes W6: 6 holes W8: 8 holes W10: 10 holes W12: 12 holes W14: 14 holes W16: 16 holes	B: Blue G: Green	HTB0190609W4* HTB0190609W6* HTB0190609W8* HTB0190609W10* HTB0190609W12* HTB0190609W14* HTB0190609W16*	5.2	64.5 77.5 90.5 103.5 116.5 129.5 142.5	76.5x12.5 89.5x12.5 102.5x12.5 115.5x12.5 128.5x12.5 141.5x12.5 154.5x12.5
		0812: 8mm*12mm	W4: 4 holes W6: 6 holes W8: 8 holes W10: 10 holes W12: 12 holes W14: 14 holes W16: 16 holes	B: Blue G: Green	HTB0190812W4* HTB0190812W6* HTB0190812W8* HTB0190812W10* HTB0190812W12* HTB0190812W14* HTB0190812W16*	6	71.5 86.5 101.5 116.5 131.5 146.5 161.5	84.5x12.5 99.5x12.5 114.5x12.5 129.5x12.5 144.5x12.5 159.5x12.5 174.5x12.5

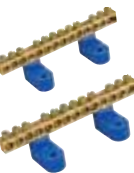
CONTROL COMPONENTS

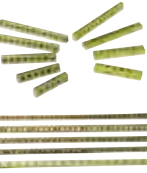
HTB Brass Terminal Blocks

Standard: EN 61439-6



Selection Code

Range name	Type	Cross section	Number of holes	*Color of holder	Reference	Hole diameter (mm)	Installation dimension (mm)	Overall dimension (mm)
HTB	007	0609	W6	B				
	007: 007 type	0609: 6mm*9mm	W6: 6 holes W8: 8 holes W10: 10 holes W12: 12 holes W14: 14 holes W16: 16 holes	B: Blue G: Green	HTB0070609W6* HTB0070609W8* HTB0070609W10* HTB0070609W12* HTB0070609W14* HTB0070609W16*	5.2	44.5	58.5x29 65.5x29 78.5x29 91.5x29 104.5x29 117.5x29
		0812: 8mm*12mm	W6: 6 holes W8: 8 holes W10: 10 holes W12: 12 holes W14: 14 holes W16: 16 holes	B: Blue G: Green	HTB0070812W6* HTB0070812W8* HTB0070812W10* HTB0070812W12* HTB0070812W14* HTB0070812W16*	6	52.5	68.5x28.5 77.5x28.5 92.5x28.5 107.5x28.5 122.5x28.5 137.5x28.5

Range name	Type	Cross section	Number of holes	Reference	Hole diameter (mm)	Screw dimension (mm)
HTB	043	1616	W078			
	043: 043 type	1616: 16x16 1414: 14x14 1010: 10x10 0812: 8x12 0810: 8x10 0909: 9x9 0709: 7x9 0808: 8x8 0609: 6x9 0608: 6x8	W78: 78 holes W109: 109 holes W116: 116 holes W116: 116 holes W116: 116 holes W116: 116 holes W133: 133 holes W133: 133 holes W133: 133 holes W133: 133 holes	HTB0431616W078 HTB0431414W109 HTB0431010W116 HTB0430812W116 HTB0430810W116 HTB0430909W116 HTB0430709W133 HTB0430808W133 HTB0430609W133 HTB0430608W133	9 7 6 6.5 6 5.5 5.2 5.2 5.2 5	M6*12 M6*12 M5*10 M5*10 M5*10 M5*10 M4*10 M4*8 M4*8 M4*8

Range name	Type	Cross section	Number of holes	Reference	Hole diameter (mm)	Screw dimension (mm)
HTB	112	W2	P7			
	112: 112 type	W2: 2 lines W2: 2 lines W4: 4 lines W4: 4 lines W4: 4 lines	P7: 7 holes P15: 15 holes P7: 7 holes P11: 11 holes P15: 15 holes	HTB112W2P7 HTB112W2P15 HTB112W4P7 HTB112W4P11 HTB112W4P15	65*45*51 132*45*51 65*88*51 100*88*51 132*88*51	45xM4 112xM4 45xM4 80xM4 112xM4

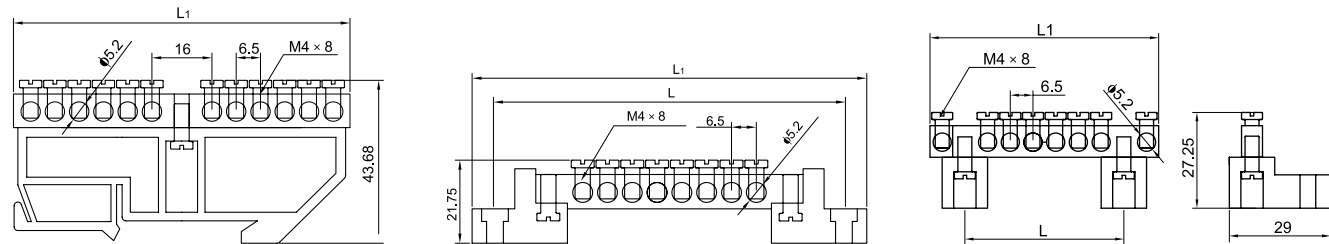
HTB Brass Terminal Blocks

Standard: EN 61439-6



Technical Parameters					
Type	HTB010	HTB019	HTB007	HTB043	HTB112
Hole	4, 6, 8, 10, 12, 14, 16	4, 6, 8, 10, 12, 14, 16	6, 8, 10, 12, 14, 16	78, 109, 116, 133	2x7, 2x15, 4x7, 4x11, 4x15
Hole diameter (mm)	5.2, 6	5.2, 6	5.2, 6	5, 9	5.2
Screw dimension (mm)	M4*8, M5*10	M4*8, M5*10	M4*8, M5*10	M4*8~M6*12	M4
Max current(A)	100, 150	100, 150	100, 150	100, 200	125

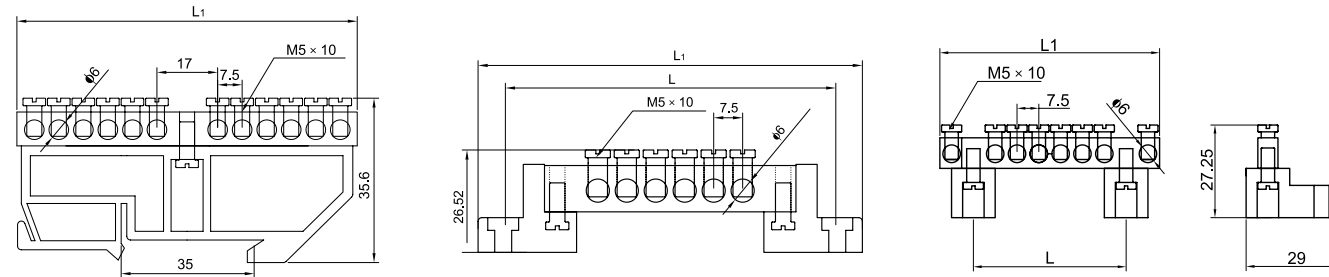
Dimensions



HTB0100609

HTB0190609

HTB0070609



HTB0100812

HTB0190812

HTB0070812

HCF Cable Connectors

Standard: EN 60947-1



Online Content



HCF

Range Presentation

HCF is Himel range of Cable Connectors designed for fixing cables of control panel, power distribution box, machine, electrical appliance, etc.

Selection Code

Range name	Thread type	Thread external diameter (mm)	IP	Color	Reference		Cable range (mm)	Panel hole (mm)	Thread length (mm)	Spanner size A&F
HCF MG 12 IP68 W										
	MG: Metric	12:12	IP68	B: Black W: Gray	HCFMG12IP68B	HCFMG12IP68W	7.6-4.6	12.5	8.5	18/19
		16:16			HCFMG16IP68B	HCFMG16IP68W	10-6	16.5	15	22/22
		20:20			HCFMG20IP68B	HCFMG20IP68W	14-9	20.5	15	27/27
		25:25			HCFMG25IP68B	HCFMG25IP68W	18-13	25.5	15	33/33
		32:32			HCFMG32IP68B	HCFMG32IP68W	25-18	33	15	41/41
		40: 40			HCFMG40IP68B	HCFMG40IP68W	30-24	41	20	50/50
		50: 50			HCFMG50IP68B	HCFMG50IP68W	41-30	51	22	62/62
		63: 63			HCFMG63IP68B	HCFMG63IP68W	51-40	64	25	75/75
	PG: German	7: 7	IP54	W: Gray	-	HCFPG7IP54W	7-3.5	12.5	8	17/19
		9: 9			-	HCFPG9IP54W	8-4.5	15.2	8.5	22/19
		11: 11			-	HCFPG11IP54W	10.5-6	18.6	9	24/22
		13: 13			-	HCFPG135IP54W	12.5-7.5	20.4	9.6	27/24
		16:16			-	HCFPG16IP54W	14-8.5	22.5	10	30/27
		21: 21			-	HCFPG21IP54W	18-12.5	28.3	12	36/33
		29: 29			-	HCFPG29IP54W	25-18	37	15	46/41
		36: 36			-	HCFPG36IP54W	30-23	47	15	57/50
		42: 42			-	HCFPG42IP54W	39-30	54	15.5	64/62
48: 48	-	HCFPG48IP54W	45-35	59.3	15.5	70/65				

Technical Parameters	
Cable Connectors	HCF
Thread specification	Metric Standard/ German Standard
Material	Nylon 66
Working temperature	-40°C~+100°C
Max temperature in short interval	+120°C
Installation	Standard threaded hole
Colour	Black & gray

CONTROL COMPONENTS

HDIN DIN Rail

Standard: EN 60947-1



Range Presentation

HDIN is Himel range of Din Rails designed to install air switch, contactor and other electrical components.

Online Content



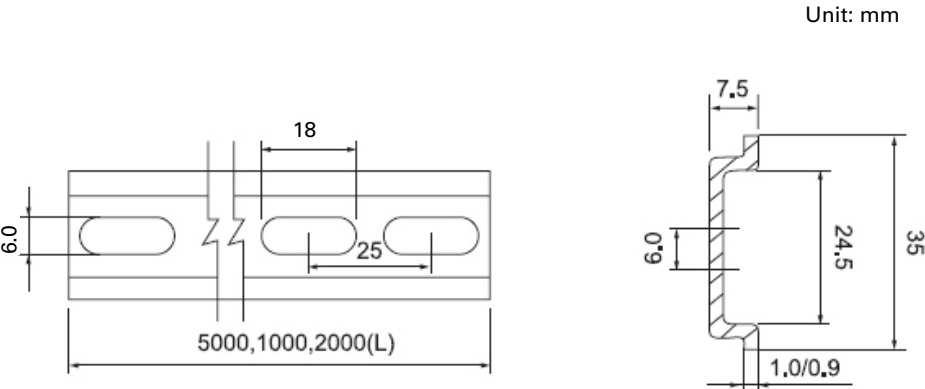
HDIN

Selection Code

Range Name	Material	Length
HDIN	02T	1000
HDIN: Thickness (mm) 1.0 DIN Rail	02T: Aluminum 12T: Steel	1000: 1000mm 2000: 2000mm



Overall Dimensions



CONTROL COMPONENTS

Industry Plugs & Sockets

Standard: IEC60309-1; IEC60309-2



Range Presentation:

HIPS series is a new generation industry plug and sockets design. It is easy to plug and install and can provide better stability. It can be widely used in outdoor and other harsh places like docks, construction sites, farms, airports, and electric vehicle charging stations etc. HIPS series product line covers moving and fixed plugs and sockets.

Features:

- ◆ **Nickel-plated copper conductor:**
Excellent wear and corrosion resistance, withstand 50000 times of plugging.
- ◆ **High-quality flame retardant PA shell:**
Strong impact resistance, UV resistance and flame retardant, high durability in tough conditions
- ◆ **Snap on design for plug and connector:**
convenient for disassembly and assembly

Selection Code

Range name	Type	Poles	Rated current	Protection level	Rated voltage	Reference	
HIPS	0	3	16	IP44	3		
	0- Moving industry plug	3: 2P+E 4: 3P+E 5: 4P+E	16: 16A 32: 32A 64: 63A (IP67 only) 125: 125A (IP67 only)	IP44 IP67	3: 220-250VAC (For 2P+E) 4: 380-415VAC (For 3P+E) 5: 200-346VAC; 240V-415VAC; (For 4P+E)	HIPS0316IP443 HIPS0332IP443 HIPS0416IP444 HIPS0432IP444 HIPS0516IP445 HIPS0532IP445	HIPS0316IP673 HIPS0332IP673 HIPS0363IP673 HIPS03125IP673 HIPS0416IP674 HIPS0432IP674 HIPS0463IP674 HIPS04125IP674 HIPS0516IP675 HIPS0532IP675 HIPS0563IP675 HIPS05125IP675
	1-Surface mounted industry socket	3: 2P+E 4: 3P+E 5: 4P+E	16: 16A 32: 32A 63: 63A (IP67 only) 125: 125A (IP67 only)	IP44 IP67	3: 220-250VAC (For 2P+E) 4: 380-415VAC (For 3P+E) 5: 200-346VAC; 240V-415VAC; (For 4P+E)	HIPS1316IP443 HIPS1332IP443 HIPS1416IP444 HIPS1432IP444 HIPS1516IP445 HIPS1532IP445	HIPS1316IP673 HIPS1332IP673 HIPS1363IP673 HIPS13125IP673 HIPS1416IP674 HIPS1432IP674 HIPS1463IP674 HIPS14125IP674 HIPS1516IP675 HIPS1532IP675 HIPS1563IP675 HIPS15125IP675

Industry Plugs & Sockets

Standard: IEC60309-1; IEC60309-2

Range name	Type	Poles	Rated current	Protection level	Rated voltage	Reference	
HIPS	0	3	16	IP44	3		
	2-Moving industry socket	3: 2P+E 4: 3P+E 5: 4P+E	16: 16A 32: 32A 63: 63A (IP67 only) 125: 125A (IP67 only)	IP44 IP67	3: 220-250VAC (For 2P+E) 4: 380-415VAC (For 3P+E) 5: 200-346VAC; 240V-415VAC; (For 4P+E)	HIPS2316IP443 HIPS2332IP443 HIPS2416IP444 HIPS2432IP444 HIPS2516IP445 HIPS2532IP445	HIPS2316IP673 HIPS2332IP673 HIPS2363IP673 HIPS23125IP673 HIPS2416IP674 HIPS2432IP674 HIPS2463IP674 HIPS24125IP674 HIPS2516IP675 HIPS2532IP675 HIPS2563IP675 HIPS25125IP675
	3-Concealed fixed industry socket	3: 2P+E 4: 3P+E 5: 4P+E	16: 16A 32: 32A 63: 63A (IP67 only) 125: 125A (IP67 only)	IP44 IP67	3: 220-250VAC (For 2P+E) 4: 380-415VAC (For 3P+E) 5: 200-346VAC; 240V-415VAC; (For 4P+E)	HIPS3316IP443 HIPS3332IP443 HIPS3416IP444 HIPS3432IP444 HIPS3516IP445 HIPS3532IP445	HIPS3316IP673 HIPS3332IP673 HIPS3363IP673 HIPS33125IP673 HIPS3416IP674 HIPS3432IP674 HIPS3463IP674 HIPS34125IP674 HIPS3516IP675 HIPS3532IP675 HIPS3563IP675 HIPS35125IP675
	5-Concealed fixed industry plug	3: 2P+E 4: 3P+E 5: 4P+E	16: 16A 32: 32A 63: 63A (IP67 only) 125: 125A (IP67 only)	IP44 IP67	3: 220-250VAC (For 2P+E) 4: 380-415VAC (For 3P+E) 5: 200-346VAC; 240V-415VAC; (For 4P+E)	HIPS5316IP443 HIPS5332IP443 HIPS5416IP444 HIPS5432IP444 HIPS5516IP445 HIPS5532IP445	HIPS5316IP673 HIPS5332IP673 HIPS5363IP673 HIPS53125IP673 HIPS5416IP674 HIPS5432IP674 HIPS5463IP674 HIPS54125IP674 HIPS5516IP675 HIPS5532IP675 HIPS5563IP675 HIPS55125IP675

Industrial Plugs & Sockets

Standard: IEC 60309-1-2



Range Presentation					Features
HDPM, HDP, HDSM, HDSF, HDPS are Himel ranges of Industrial Plugs and Sockets designed for quick disassembly and assembly of electrical connection. They are mainly used in OEM industry and temporary power supply.					◆ Waterproof and dustproof. ◆ Long mechanical life and durability
Selection Code					
Range name	Pole no	Rated current	IP	Rated voltage	Reference
HDPM	3	32	IP44	1	
	3: 2P+E 	16: 16A 32: 32A	IP44: IP44	1: 110~130V	HDPM316IP441 HDPM332IP441
	4: 3P+E 			Default: 230~250V	HDPM316IP44 HDPM332IP44
	5: 3P+N+E 			Default: 400~415V	HDPM416IP44 HDPM432IP44
	3: 2P+E 	63: 63A	IP67: IP67	Default: 230~400V	HDPM516IP44
	4: 3P+E 			Default: 240~415V	HDPM532IP44
	5: 3P+N+E 			Default: 230~250V	HDPM363IP67
	3: 2P+E 	125: 125A	IP67: IP67	Default: 400~415V	HDPM463IP67
	4: 3P+E 			Default: 230~400V	HDPM563IP67
	5: 3P+N+E 			Default: 240~415V	HDPM5125IP67
	3: 2P+E 	16: 16A 32: 32A	IP44: IP44	1: 110~130V	HDP316IP441 HDP332IP441
	4: 3P+E 			Default: 230~250V	HDP316IP44 HDP332IP44
	5: 3P+N+E 			Default: 400~415V	HDP416IP44 HDP432IP44
	3: 2P+E 	63: 63A	IP67: IP67	Default: 230~400V	HDP516IP44
	4: 3P+E 			Default: 240~415V	HDP532IP44
	5: 3P+N+E 			Default: 230~250V	HDP363IP67
	3: 2P+E 	16: 16A 32: 32A	IP44: IP44	Default: 400~415V	HDP463IP67
	4: 3P+E 			Default: 230~400V	HDP563IP67
	5: 3P+N+E 			1: 110~130V	HDSM316IP441 HDSM332IP441
	3: 2P+E 	63: 63A 125: 125A	IP67: IP67	Default: 230~250V	HDSM316IP44 HDSM332IP44
	4: 3P+E 			Default: 400~415V	HDSM416IP44 HDSM432IP44
	5: 3P+N+E 			Default: 230~400V	HDSM516IP44 HDSM532IP44
	3: 2P+E 			Default: 240~415V	HDSM532IP44
	4: 3P+E 			Default: 230~250V	HDSM363IP67 HDSM3125IP67
	5: 3P+N+E			Default: 400~415V	HDSM463IP67 HDSM4125IP67

CONTROL COMPONENTS

Industrial Plugs & Sockets

Standard: IEC 60309-1-2



HDSF: Fixed industrial sockets	3: 2P+E		16: 16A 32: 32A	IP44: IP44	1: 110~130V	HDSF316IP441 HDSF332IP441
					Default: 230~250V	HDSF316IP44 HDSF332IP44
	4: 3P+E				Default: 400~415V	HDSF416IP44 HDSF432IP44
	5: 3P+N+E		63: 63A 125: 125A	IP67: IP67	Default: 230~400V	HDSF516IP44
					Default: 240~415V	HDSF532IP44
	3: 2P+E				Default: 230~250V	HDSF363IP67 HDSF3125IP67
	4: 3P+E				Default: 400~415V	HDSF463IP67 HDSF4125IP67
					Default: 230~400V	HDSF563IP67
	5: 3P+N+E				Default: 240~415V	HDSF5125IP67

Range Name	Input&output	Rated current	Rated voltage	Reference	Pole no.
HDPS	3	16	230		
HDPS: Multi-function plugs and sockets	3: 1 Plug & 2 Sockets	16: 16A	230: 230V 110: 110V	HDPS316230 HDPS316110	2P+E
	4: 1 Plug & 3 Sockets		230: 230V 110: 110V	HDPS416230 HDPS416110	

Technical Parameters	
Industrial Plugs & Sockets	HDPM, HDP, HDPM, HDSF, HDPS
Connecting type	Fixed, moving, multi-function
Pole	2P+E, 3P+E, 3P+N+E
Voltage	110-415V, 230V
Current	16A, 32A, 63A, 125A
Standard	IEC 60309-1-2

Online Content



HDP



HDPM



HDPS



HDSF



HDSM

HOME ELECTRIC



Advanced Series Wiring Devices



Robust Light Switches and Sockets

Advanced Series

British & International

Device presentation: Complete Mechanism
Number of gang: Up to 4
Rate current: 10A / 16A / 20A / 45A

160

BLiSS Series Wiring Devices

NEW



Trendy Design, Maximum Impact

BLiSS Series

2Pin, European, International

Device presentation: plate and module separated
Number of gang: up to 6
Rate current: 10A / 16A / 20A / 32A/45A

181

Prime V2 Series Wiring Devices



Minimalist White Design Switches and Sockets

Prime V2 Series

British, 2Pin, German & International

Device presentation: complete mechanism
Number of Gang: Up to 6
Rate Current: 10A / 20A / 45A

165

Click Series Wiring Devices



Probably the best secret of electricians

Click Series

2Pin, American, International

Device presentation: complete mechanism
Number of gang: up to 4
Rate current: 10A & 15A

189

Style Series Wiring Devices



Trendy Design, Maximum Impact

Style Series

2Pin, German & French

Device presentation: complete mechanism
Number of gang: Up to 2
Rate current: 10AX

172

Click Eco Series Wiring Devices



Timeless design

Click Eco Series

2Pin, American, International

Device presentation: plate and module separated
Number of gang: up to 3
Rate current: 10A & 15A

195

Modern Series Wiring Devices



Striking design, quality material and durable construction

Modern Series

2Pin, German & French

Number of Gang: Up to 3
Rated current: 10AX

176

Floor Series Wiring Devices



Best solution for future buildings

American, International, British

203

Euro, 3Pin, 2Pin
Device presentation: box and module separated
Number of modules: Up to 6

Extension Sockets Accessories and Tools



Designed for your comfort

Socket Outlet Standard: British & Universal

203

Standard: BS1363 & IEC60884
Cable length: 3M 5M

Weatherproof Series Accessories and Tools



Covered for Safety

Waterproof and Dustproof

206

IP Level: IP12 and IP55
Color: 6 colors and 2 finishes
Material: ABS & PS

Tool Series Accessories and Tools







Tool Boxes
Set: 8 pieces / 18 pieces

Digital Clamp Meter

Digital Multimeter

Enhance the way you work

208

CableTies Accessories and Tools



The unmissable product for electricians

Color: Black / White / Colorful

209

Material: Nylon 66
Tensile strength (LBS): 18 / 40 / 49
Max bundle diameter: 22 / 35 / 50 / 65 / 82 / 90

Electrical Tape Accessories and Tools



Effectively protect your electrical wires

Flame retardant material

210

Available in a range of sizes and colors

Smart Series Home Accessories



Connected Home made Affordable

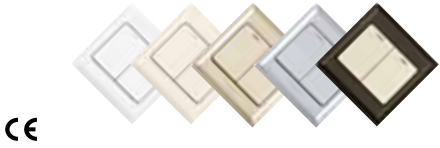
Socket Outlet Standard: British, Euro, American

211

Remote control: Himel APP
Voice control: Google Home / Amazon Alexa

Advanced Series

British Wiring Devices



Range Presentation

Advanced Series is characterized by its smooth shape. Its modern and discrete design will fit in any home, for every applications. With a range of five different finishes, we are making sure that everyone will find a finish to their taste. Made in high quality polycarbonate, Advanced Switches and Sockets are virtually unbreakable. They are tested to comply with the IEC safety standards, ensuring maximum safety and reliability.

Features

- ◆ Two layers product to offer screw-less design
- ◆ Fire Retardant Polycarbonate
- ◆ Tested under 100 degrees
- ◆ >58% Copper for parts made from cold-rolled sheet
- ◆ Middle east: GCC
- ◆ Malaysia: SIRIM
- ◆ Nigeria: SONCAP
- Works with Himel Smart

Selection Code

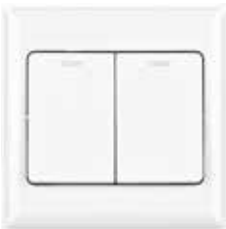
Range name	Functionality	Color
HWDA	xxx	C
A: Advanced	You may replace XX codes by functionality codes listed Below	Default: White C: Cream G: Gold M: Metallic B: Brown

Online Content



Advanced Series

Color Selection











White

Cream

Gold

Metallic

Brown

ADVANCED SERIES



Easy **Installation**
Modern **Design**
Multiple **Functions**

Switches



HWDA1S
10A 1 Gang 1 Way Switch
Box: 10
Carton: 100



HWDA1S2
10A 1 Gang 2 Way Switch
Box: 10
Carton: 100



HWDA1S3
10A Intermediate Switch
Box: 10
Carton: 100



HWDA1PS
Press Switch
Box: 10
Carton: 100



HWDA2S
10A 2 Gang 1 Way Switch
Box: 10
Carton: 100



HWDA2S2
10A 2 Gang 2 Way Switch
Box: 10
Carton: 100

HOME ELECTRIC

Advanced Series

British Wiring Devices



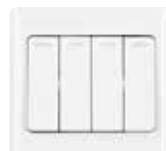
HWDA3S
10A 3 Gang 1 Way Switch
Box: 10
Carton: 100



HWDA3S2
10A 3 Gang 2 Way Switch
Box: 10
Carton: 100



HWDA4S
10A 4 Gang 1 Way Switch
Box: 10
Carton: 100



HWDA4S2
10A 4 Gang 2 Way Switch
Box: 10
Carton: 100



HWDA1S16
16A 1 Gang 1 Way Switch
Box: 10
Carton: 100



HWDA1S216
16A 1 Gang 2 Way Switch
Box: 10
Carton: 100



HWDA1S316
16A Intermediate Switch
Box: 10
Carton: 100



HWDA2S16
16A 2 Gang 1 Way Switch
Box: 10
Carton: 100



HWDA2S216
16A 2 Gang 2 Way Switch
Box: 10
Carton: 100



HWDA3S16
16A 3 Gang 1 Way Switch
Box: 10
Carton: 100



HWDA3S216
16A 3 Gang 2 Way Switch
Box: 10
Carton: 100



HWDA4S16
16A 4 Gang 1 Way Switch
Box: 10
Carton: 100



HWDA4S216
16A 4 Gang 2 Way Switch
Box: 10
Carton: 100



HWDABS
Bell Switch
Box: 10
Carton: 100



HWDACS
Curtain Switch
Box: 10
Carton: 100



HWDAD10
1000W Dimmer
Box: 8
Carton: 80



HWD AFC3
300VA 230V Fan Control
Box: 8
Carton: 80

Socket Outlets



HWDA13SS
13A Switched Socket
Box: 10
Carton: 100



HWDA13SN
13A Switched Socket with Neon
Box: 10
Carton: 100

Advanced Series

British Wiring Devices





HWDAT13S
13A Twin Switched
Socket
Box: 5
Carton: 50



HWDAT13SN
13A Twin Switched
Socket with Neon
Box: 5
Carton: 50



HWDAT13USB
13A Socket + 2USB
Box: 8
Carton: 80



HWDAT15SS
15A Switched Socket
Box: 10
Carton: 100



HWDAT15SN
15A Switched Socket
with Neon
Box: 10
Carton: 100



HWDAT15US
15A Universal Socket
Box: 10
Carton: 100



HWDAT15USB
15A Universal Socket + 2USB
Box: 8
Carton: 80



HWDAT20S
1 Gang 20A DP Switch
with Neon
Box: 10
Carton: 100



HWDAT45S
1 Gang 45A DP Switch
with Neon
Box: 10
Carton: 100



HWDAT45ST
1 Gang 45A DP Switch
with Neon(146Type)
Box: 5
Carton: 50



HWDAT20S2
1 Gang 2 Way 20A DP
Switch with Neon and Earth
Box: 10
Carton: 100

Telecommunication Accessories



HWDAT1TS
RJ11 Telephone Socket
Box: 10
Carton: 100



HWDAT2TS
2 RJ11 Telephone Socket
Box: 10
Carton: 100



HWDAT1DS
RJ45 Data Socket
Box: 10
Carton: 100



HWDAT2DS
2 RJ45 Data Socket
Box: 10
Carton: 100



HWDAT1SS
Satellite Socket
Box: 10
Carton: 100



HWDAT1S1T
Satellite + RJ11 Tel Socket
Box: 10
Carton: 100



HWDAB
Blank Plate
Box: 20
Carton: 200

Advanced Series

British Wiring Devices





HWDAT13FCU
13A Fused Connection Unit
Box: 10
Carton: 100

Future Ready

Upgrade your Advanced Series switches with our WIFI Smart modules



HHESM
Smart Switch Module
Box: 1
Carton: 100



HHE2SM
2 Gang Switch Module
Box: 1
Carton: 100



HHESD
Smart Dimmer Module
Box: 1
Carton: 100



HHE2SD
2 Gang Dimmer Module
Box: 1
Carton: 100



Prime V2 Series

British Wiring Devices



Range Presentation

Prime V2 series is designed for a wide range of applications in various industries: Residential, Commercial buildings, Offices and Hotels etc. It is available in more than 100 functionalities. This range is available in a classic white finish and with a sleek, elegant apperance. All products use high-quality raw material and ensure maximum safety and reliability.

Features

- ◆ Up to 6 Gangs
- ◆ Complete Hotel offer
- ◆ USB enabled sockets
- ◆ 4mm diameter silver contact
- ◆ 1.5mm metal plate
- ◆ Smartphone holders available
- ◆ Works with Himel Smart

Selection Code

Range name	Functionality
HDWP	XXX
A: Advanced S: Style M: Modern C: Click CE: Click Eco P: Prime V2	You may replace XX codes by functionality codes listed below

Online Content



Prime V2

PRIME
SERIES



Elevate the **Basics**
Minimalist **Design**
Complete set of
Products

Switches



HWDPS1G1W
16A 1 Gang 1 Way Switch
Box: 10
Carton: 100



HWDPS1G2W
16A 1 Gang 2 Way Switch
Box: 10
Carton: 100



HWDPS2G1W
16A 2 Gang 1 Way Switch
Box: 10
Carton: 100



HWDPS2G2W
16A 2 Gang 2 Way Switch
Box: 10
Carton: 100



HWDPS3G1W
16A 3 Gang 1 Way Switch
Box: 10
Carton: 100



HWDPS3G2W
16A 3 Gang 2 Way Switch
Box: 10
Carton: 100

Prime V2 Series

British Wiring Devices





HWDP4G1W
16A 4 Gang 1 Way Switch
Box: 10
Carton: 100



HWDP4G2W
16A 4 Gang 2 Way Switch
Box: 10
Carton: 100



HWDP5G1W
16A 5 Gang 1 Way Switch
Box: 10
Carton: 100



HWDP6G1W
16A 6 Gang 1 Way Switch
Box: 10
Carton: 100



HWDPDB
Doorbell Switch
Box: 10
Carton: 100



HWDPB1G1W
16A 1 Gang 1 Way Switch,
Big Button
Box: 10
Carton: 100



HWDPB1G2W
16A 1 Gang 2 Way Switch,
Big Button
Box: 10
Carton: 100



HWDPB2G1W
16A 2 Gang 1 Way Switch,
Big Button
Box: 10
Carton: 100



HWDPB2G2W
16A 2 Gang 2 Way Switch,
Big Button
Box: 10
Carton: 100



HWDPB3G1W
16A 3 Gang 1 Way Switch,
Big Button
Box: 10
Carton: 100



HWDPB3G2W
16A 3 Gang 2 Way, Big Button
Box: 10
Carton: 100



HWDPB4G1W
16A 4 Gang 1 Way Switch,
Big Button
Box: 10
Carton: 100



HWDPB4G2W
16A 4 Gang 2 Way Switch,
Big Button
Box: 10
Carton: 100



HWDPBDB
Doorbell Switch, Big Button
Box: 10
Carton: 100



HWDP20A
20A Switch With Neon
Box: 10
Carton: 100



HWDP45A
45A Switch With Neon
Box: 10
Carton: 100

Dimmers



HWDPFS3
Fan Speed 300W
Box: 8
Carton: 80



HWDPFS5
Fan Speed 500W
Box: 8
Carton: 80



HWDPLD3
Light Dimmer 300W
Box: 8
Carton: 80

Prime V2 Series

British Wiring Devices





HWDPLD5
Light Dimmer 500W
Box: 8
Carton: 80



HWDPLD10
Light Dimmer 1000W
Box: 8
Carton: 80



HWDPLD15
Light Dimmer 1500W
Box: 8
Carton: 80



HWDP1GD3
1 Gang Switch With
Dimmer 300W
Box: 8
Carton: 80



HWDP1GD5
1 Gang SwitchW ith
Dimmer 500W
Box: 8
Carton: 80

Socket Outlets



HWD13AS
13A Socket
Box: 10
Carton: 100



HWD13ASS
13A Switched Socket
Box: 10
Carton: 100



HWD13ASSN
13A Switched Socket
With Neon
Box: 10
Carton: 100



HWD13ASSN2USB
13A Switched Socket + 1USB
Box: 8
Carton: 80



HWD13ASSN2USB
13A Switched Socket + 2USB
Box: 8
Carton: 80



HWDPMF
16A MF Socket
Box: 10
Carton: 100



HWDPMFS
16A MF Switched Socket
Box: 10
Carton: 100



HWDPMFSN
16A MF Switched Socket
With Neon
Box: 10
Carton: 100



HWDPMFSN2USB
16A MF Switched Socket
With Neon + 1USB
Box: 8
Carton: 80



HWDPMFSN2USB
16A MF Switched Socket
With Neon + 2USB
Box: 8
Carton: 80



HWD15SS
15A Switched Socket
Box: 10
Carton: 100



HWD15SSN
15A Switched Socket
With Neon
Box: 10
Carton: 100



HWD5PS
16A 5Pin MF Socket
Box: 10
Carton: 100



HWD5PSS
16A 5Pin MF Switched
Socket
Box: 10
Carton: 100

Prime V2 Series

British Wiring Devices





HWDP5PSSN
16A 5Pin MF Switched Socket
With Neon
Box: 10
Carton: 100



HWDP5PSSNUSB
16A 5Pin MF Switched
Socket With Neon + 1USB
Box: 8
Carton: 80



HWDP5PSSN2USB
16A 5Pin MF Switched Socket
With Neon+2USB
Box: 8
Carton: 80



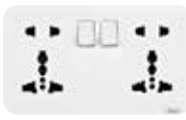
HWDP213ASS
2X13A Switched Socket
Box: 5
Carton: 50



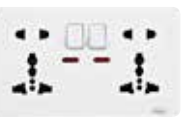
HWDP213ASSN
2X13A Switched Socket
With Neon
Box: 5
Carton: 50



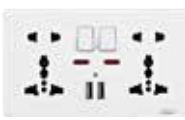
HWDP213ASSN2USB
2X13A Switched Socket
With Neon + 2USB
Box: 5
Carton: 50



HWDP2MFS
2X16A 5Pin MF
Switched Socket
Box: 5
Carton: 50



HWDP2MFSN
2X16A 5Pin MF Switched
Socket With Neon
Box: 5
Carton: 50



HWDP2MFSN2USB
2X16A 5Pin MF Switched
Socket With Neon + 2USB
Box: 5
Carton: 50



HWDPEUR
16A Europe Socket
Box: 10
Carton: 100



HWDP2PS
10A 2Pin Socket
Box: 10
Carton: 100



HWDP2G2PS
10A 2X2Pin Socket
Box: 10
Carton: 100



HWDP3G2PS
10A 3X2Pin Socket
Box: 10
Carton: 100



HWDP1G1W2P
1 Gang 1 Way Switch
And 10A 2Pin Socket
Box: 10
Carton: 100



HWDP1G2W2P
1 Gang 2 Way Switch And
10A 2Pin Socket
Box: 10
Carton: 100



HWDP1G1W22P
1 Gang 1 Way Switch And
10A 2X2Pin Socket
Box: 10
Carton: 100



HWDP1G2W22P
1 Gang 2 Way Switch And
10A 2X2Pin Socket
Box: 10
Carton: 100



HWDP2G1W2P
2 Gang 1 Way Switch And
10A 2Pin Socket
Box: 10
Carton: 100



HWDP2G2W2P
2 Gang 2 Way Switch And
10A 2Pin Socket
Box: 10
Carton: 100



HWDP2G1W22P
2 Gang 1 Way Switch And
10A 2X2Pin Socket
Box: 10
Carton: 100



HWDP2G2W22P
2 Gang 2 Way Switch And
10A 2X2Pin Socket
Box: 10
Carton: 100



HWDP2PUSB
10A 2Pin Socket + USB
Box: 10
Carton: 100



HWDP2P2USB
10A 2Pin Socket + 2USB
Box: 10
Carton: 100



HWDPCU
Cooker Unit 3X6
Box: 5
Carton: 50

Prime V2 Series

British Wiring Devices



Accessories



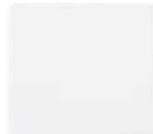
HWDP45AO
45A outlet
Box: 10
Carton: 100



HWDPHS3
Shaver 3X3
Box: 1
Carton: 24



HWDPHS6
Shaver 3X6
Box: 1
Carton: 18



HWDPPBP3
Blank Plate 3X3
Box: 20
Carton: 200



HWDPPBP6
Blank Plate 6X6
Box: 10
Carton: 100



HWDPTV
TV Socket
Box: 10
Carton: 100



HWDPTV
Double TV Socket
Box: 10
Carton: 100



HWDPTL
Tel Socket
Box: 10
Carton: 100



HWDPCOM
Computer Socket
Box: 10
Carton: 100



HWDPTL
Double Tel Socket
Box: 10
Carton: 100



HWDPCOM
Double Computer Socket
Box: 10
Carton: 100



HWDPCOMTEL
Computer+Tel Socket
Box: 10
Carton: 100



HWDPTVTEL
TV+Tel Socket
Box: 10
Carton: 100



HWDPSAT
Satellite Socket
Box: 10
Carton: 100



HWDPSATTEL
Satellite + Tel Socket
Box: 10
Carton: 100



HWDPSATT
Satellite + TV Socket
Box: 10
Carton: 100



HWDP20AO
20A outlet
Box: 10
Carton: 100

Hotel Accessories



HWDPTD
Touch Delay Switch
(With Energy Saving)
Box: 8
Carton: 80



HWDPVC
Voice Control Switch
(With Energy Saving)
Box: 8
Carton: 80



HWDPVC3L
Voice Control With Fire
Protection And Energy
Saving (Three Line)
Box: 8
Carton: 80

Prime V2 Series

British Wiring Devices



	HWDPVC4L Voice Control With Fire Protection And Energy Saving (Four Line) Box: 8 Carton: 80		HWDPHDND Doorbell Switch With Do Not Disturb Box: 10 Carton: 100		HWDPHDNDI Do Not Disturb Inside Switch Box: 10 Carton: 100
	HWDPHB Human Body Sensor Switch Box: 8 Carton: 80		HWDPHBF Human Body Sensor Switch With Fire Protection Function Box: 8 Carton: 80		HWDPHKC Insert Card For Power (Three Line) 40A Box: 6 Carton: 60
	HWDPHKCLF Insert Card For Power (Induction Type, Low Frequency) 40A Box: 6 Carton: 60		HWDPHKCHF Insert Card For Power (Induction Type, High Frequency) 40A Box: 5 Carton: 60		HWDPPH Stick Style Phone Holder Box: 18 Carton: 180
	HWDPPHG Stick Style Phone Holder Gold Box: 18 Carton: 180		HWDPPHS Phone Holder-Single Box: 20 Carton: 200		HWDPPHSG Phone Holder-Single Gold Box: 20 Carton: 200
					HWDPPHDG Phone Holder-Double Gold Box: 10 Carton: 100

Future Ready

Upgrade your Prime Series switches with our WIFI Smart modules

	HHESM Smart Switch Module Box: 1 Carton: 100		HHE2SM 2 Gang Switch Module Box: 1 Carton: 100
	HHESD Smart Dimmer Module Box: 1 Carton: 100		HHE2SD 2 Gang Dimmer Module Box: 1 Carton: 100
			

Style Series

European Wiring Devices



Range Presentation

Style Series is characterized by its rounded shape and shiny effect. Its modern and discrete design will fit in any home, for every application. Made of high quality polycarbonate, our plastic frames won't turn yellow overtime. Enhance the ambiance of your home by playing with our different finishes: classic white design, gold and metallic for something which stands out or wood for a natural look at home.

Features

- ◆ 31 functionalities
- ◆ One synthetic finish, two metallic finishes and one natural finish
- ◆ All sockets available with shutters to prevent accidents
- ◆ Tested under more than 10years of normal usage
- ◆ Protected claws to prevent hand injuries during installation
- ◆ Base in polyamide for a better performance on mechanical strenght, preventing burn and dripped phenomenon
- ◆ USB Socket available in exclusivity!
- ◆ Indonesia: SNI

Selection Code

Range name	Functionality	Color
HWDS	xxx	G
A: Advanced S: Style M: Modern C: Click CE: Click Eco P: Prime V2	You may replace XX codes by functionality codes listed below	Default: White G: Gold M: Metallic W: Wood

Online Content



Style Series

Color Selection

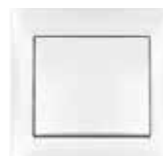
			
White	Gold	Metallic	Wood

STYLE SERIES



Cost **Effective**
Maximum **Performance**
Simply **Beautiful**

Switches



HWDS1S
1 Gang 1 Way Switch
Box: 10
Carton: 120



HWDS1S2
1 Gang 2 Way Switch
Box: 10
Carton: 120



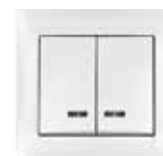
HWDS2S
2 Gang 1 Way Switch
Box: 10
Carton: 120



HWDS2S2
2 Gang 2 Way Switch
Box: 10
Carton: 120



HWDS1SL
1 Gang 1 Way Switch with
LED
Box: 10
Carton: 120



HWDS2SL
2 Gang 1 Way Switch with
LED
Box: 10
Carton: 120

HOME ELECTRIC

Style Series

European Wiring Devices



HWDS1PB
Push Button
Box: 10
Carton: 120



HWDS1PB
Push Button
Box: 10
Carton: 120



HWDSBS
Bell Switch
Box: 10
Carton: 120



HWDS1D
1 Gang Light Dimmer
Box: 8
Carton: 96



HWDSLED
LED Dimmer
Box: 8
Carton: 96



HWDS3S
3 Gang 1 Way switch
Box: 10
Carton: 120

Socket Outlet



HWDS2P
1 Gang 2Pin Socket
Box: 10
Carton: 120



HWDS2PS
1 Gang 2Pin Socket with
shutters
Box: 10
Carton: 120



HWDS2P
2 Gang 2Pin Socket
Box: 7
Carton: 84



HWDS2PS
2 Gang 2Pin Socket
with shutters
Box: 7
Carton: 84



HWDS1S
1 Gang Schuko Socket
Box: 10
Carton: 120



HWDS1S
1 Gang Schuko Socket with
shutters
Box: 10
Carton: 120



HWDS2S
2 Gang Schuko Socket
Box: 6
Carton: 72



HWDS2S
2 Gang Schuko Socket with
shutters
Box: 6
Carton: 72



HWDS1S
1 Gang Schuko Socket with
cover
Box: 10
Carton: 120



HWDS1S
1 Gang Schuko Socket with
cover with shutters
Box: 10
Carton: 120



HWDFS
1 Gang French Socket
Box: 10
Carton: 120



HWDFS
1 Gang French Socket with
shutters
Box: 10
Carton: 120



HWDSUSB
1 Gang Schuko Socket with 2 USB
Box: 8
Carton: 96

Style Series

European Wiring Devices



Telecommunication Accessories



HWDS1

1 Gang Computer Socket

Box: 10

Carton: 120



HWDS2

2 Gang Computer Socket

Box: 10

Carton: 120



HWDS3

1 Gang RJ11 Tel Socket

Box: 10

Carton: 120



HWDS4

2 Gang RJ11 Tel Socket

Box: 10

Carton: 120



HWDS5

1 Gang IsolatedTV Socket

Box: 10

Carton: 120



HWDS6

1 Gang Satellite Socket

Box: 10

Carton: 120



HWDS7

2 Gang TV + Satellite Socket

Box: 10

Carton: 120

Flush Plates



HWDF1

Double Frame

Box: 20

Carton: 240



HWDF2

Triple Frame

Box: 15

Carton: 180



HWDF3

Quadrant Frame

Box: 12

Carton: 144

Future Ready

Upgrade your Style Series switches with our WIFI Smart modules



HHESM

Smart Switch Module

Box: 1

Carton: 100



HHE2SM

2 Gang Switch Module

Box: 1

Carton: 100



HHESD

Smart Dimmer Module

Box: 1

Carton: 100



HHE2SD

2 Gang Dimmer Module

Box: 1

Carton: 100



Modern Series

European Wiring Devices



Range Presentation

Switch to the future with Modern Series. With their striking design, quality material and durable construction, Modern switches and sockets are ideally suited for your new constructions and renovation projects. A wide variety of functionalities and large range of colors to choose from, providing design solutions for every modern homes and commercial spaces. You can create an unlimited number of combinations with our latest light and metal edition, together with the different frames combined with the modules.

Features

- ◆ 60 functionalities
- ◆ Two material options: light plastic and metallic
- ◆ All sockets available with shutters to prevent accidents
- ◆ Multiple frames up to 6 gangs
- ◆ Presents both slimness and functionality
- ◆ Works with Himel Smart

Selection Code

Range name	Functionality	Color
HWDM	xxx	C
A: Advanced S: Style M: Modern C: Click CE: Click Eco P: Prime V2	You may replace XX codes by functionality codes listed below	Default: White C: Cream SM: Smoke MK: Metallic Black MO: Mocha MB: Metallic Beige SV: Silver

Online Content



Modern Series

Color Selection



White



Cream



Smoked Grey



Mocha



Silver



Metallic Beige



Metallic Black

MODERN SERIES



Modern **Lines**
Easy **Installation**
Multiple **Application**



Socket Outlets



HWDM1S
Switch
Box: 15
Carton: 150



HWDM2S
2 Gang Switch
Box: 15
Carton: 150



HWDM1C
Push Button
Box: 15
Carton: 150



HWDM1S2
2 Way Switch
Box: 15
Carton: 150



HWDM2S2
2 Gang 2 Way Switch
Box: 15
Carton: 150



HWDMDC
Door Check
Box: 15
Carton: 150

HOME ELECTRIC

Modern Series

European Wiring Devices



HWDMDB
Door Bell
Box: 15
Carton: 150



HWDMCS
Roller Blind Switch, 1 Gang
Box: 15
Carton: 150



HWDM2CS
Roller Blind Switch, 2 Gang
Box: 15
Carton: 150



HWDMMB
Volume Control Switch
Box: 12
Carton: 120



HWDMMW
Intermediate Switch
Box: 15
Carton: 150



HWDM3S
3 Gang Switch
Box: 15
Carton: 150



HWDMWD
Water Heater
Box: 15
Carton: 150



HWDM1SI
Illuminated Switch
Box: 15
Carton: 150



HWDM2SI
Illuminated 2 Gang Switch
Box: 15
Carton: 150



White: HWDM1CI
Socket Outlets: Illuminated
Push Button
Box: 15
Carton: 150



HWDM1CI2
Illuminated 2 Way Switch
Box: 15
Carton: 150



HWDMBB
Illuminated Push Button
with Label Holder
Box: 15
Carton: 150



HWDMSO
Socket
Box: 15
Carton: 150



HWDMSOS
Socket with Child Protection
Box: 15
Carton: 150



HWDMESS
Socket with Side Earth with
Child Protection
Box: 15
Carton: 150



HWDMES
Socket with Side Earth
Box: 15
Carton: 150



HWDMESC
Socket with Side Earth with
Cover
Box: 15
Carton: 150



HWDMUPS
Socket with Pin Earth
Box: 15
Carton: 150



HWDMUPSSC
Socket with Pin Earth with
Child Protection with cover
Box: 15
Carton: 150



HWDMUPSS
Socket with Pin Earth with
Child Protection
Box: 15
Carton: 150



HWDMESCS
Socket with Side Earth with
Child Protection with cover
Box: 15
Carton: 150



HWDMUPSC
Socket with Pin Earth with
Cover
Box: 15
Carton: 150



HWDM2SO
Double Socket
Box: 10
Carton: 100



HWDM2ES
Double Socket with Side Earth
Box: 10
Carton: 100

Modern Series

European Wiring Devices





HWDM2UPS
Double Socket with Pin Earth
Box: 10
Carton: 100



HWDM1SI
Dimmer, 1000VA
Box: 12
Carton: 120



HWDM2SI
Illuminated Dimmer, 1000VA
Box: 12
Carton: 120



HWDM1CI
2Way Dimmer, 600A
Box: 12
Carton: 120

Telecommunication Accessories



HDMTV
TV Socket, Ending-Intermediate
Box: 15
Carton: 150



HDMSAT
TV SAT Socket, Intermediate
Box: 15
Carton: 150



HDMSATL
TV SAT Radio Socket,
Intermediate
Box: 15
Carton: 150



HWDMSATV
TV SAT Socket, Ending
Box: 15
Carton: 150



HWDMSATF
SAT Socket, Single with
F Connector
Box: 15
Carton: 150



HWDMSATE
SAT Socket, Single
Box: 15
Carton: 150



HWDMT
Telephone Socket
Box: 15
Carton: 150



HWDMNT
Telephone Socket Cat 3
Box: 15
Carton: 150



HWDM2NT
Double Telephone Socket
Cat 3
Box: 15
Carton: 150



HWDMDS
Data Socket Faceplate w/o
connector
Box: 15
Carton: 150



HWDMDS5
Data Socket RJ45, Cat 5
Box: 15
Carton: 150



HWDM2DS5
Double Data Socket RJ45,
Cat 5
Box: 15
Carton: 150



HWDMD5P3
Data + Tel Socket (RJ45
Cat 5 + Cat 3)
Box: 15
Carton: 150



HWDMC
Cable Output
Box: 15
Carton: 150



HWDMDS6
Data Socket RJ45, Cat 6
Box: 15
Carton: 150

Modern Series

European Wiring Devices





HWDMD6P3
Data + Phone Socket
(Cat 6 + Cat 3)
Box: 15
Carton: 150



HWDMD6P3
Data + Phone Socket
(Cat 6 + Cat 3)
Box: 15
Carton: 150



HWDMD6P3
Data + Phone Socket
(Cat 6 + Cat 3)
Box: 15
Carton: 150



HWDMS
Audio Socket
Box: 15
Carton: 150

Electronic Group



HDMMS
Movement Detector
Box: 15
Carton: 150



HDMKC
Hotel Key Card Switch
Box: 15
Carton: 150



HWDMM1F
Single Frame
Box: 15
Carton: 150



HWDMM2F
Double Frame
Box: 15
Carton: 150



HWDMM3F
Triple Frame
Box: 15
Carton: 150



HWDMM4F
Quadruple Frame
Box: 15
Carton: 150

Future Ready

Upgrade your Modern Series switches with our WIFI Smart modules



HHESM
Smart Switch Module
Box: 1
Carton: 100



HHE2SM
2 Gang Switch Module
Box: 1
Carton: 100



HHESD
Smart Dimmer Module
Box: 1
Carton: 100



HHE2SD
2 Gang Dimmer Module
Box: 1
Carton: 100



Bliss Series

Modular Wiring Devices



Range Presentation

Bliss switches and sockets are pure design. Offer to your customers an original alternative to traditional white switches and sockets with a free combination of panel shapes and colors and a large variety of functional modules. Bliss is totally customizable to meet all home and buildings needs.

Designed with fireproof polycarbonate with reinforced interior plates, every Bliss product is robust, strong and durable.

Bliss is coming with 3 different frames:

- ◆ Bliss Oval to create a simple and modern combination
- ◆ Bliss Curve, with an attractive finish to suits all project needs
- ◆ Bliss Flat, our high-class electroplated decoration frame to make it shinier and luxury

Bliss also integrates into any smart home with Himel Smart module compatibility.

Features

- ◆ Euro and Modular plates available
- ◆ 22 colors and 3 different finishes (plain, metallic and wood)
- ◆ 3 different frame design (Oval, Curve and Flat)
- ◆ High grade PC, flame retardant and impact resistant
- ◆ Reinforced honeycomb structure for longer life and stronger support
- ◆ Works with Himel Smart

Selection Code-Overall

Range name	Functionality	Plate Design	Color
HWDB	XXX	X	XX
B: Bliss	You may replace XX codes by functionality codes listed below	O: Oval C: Curve F: Flat	WH: White P0-P9: Original color MP1-MP6: Metallic painting WO1-WO7: Wooden color

BLISS
SERIES



Modern **Combination**
Outstanding **Quality**
Variety of **Choices**

Switches



HWDBS1G1W
16A Single Switch 1 gang
1 way -22mm
Box: 48
Carton: 480



HWDBS1G1WWL
16A Single Switch 1 gang
1 way with lamp -22mm
Box: 48
Carton: 480



HWDBS1G2W
16A Single Switch 1 gang
2 way -22mm
Box: 48
Carton: 480



HWDBS1G2WWL
16A Single Switch 1 gang
2 way with lamp -22mm
Box: 48
Carton: 480



HWDBSDB
16A Doorbell
Switch -22mm
Box: 48
Carton: 480



HWDBSDBWL
16A Doorbell Switch
with Lamp -22mm
Box: 48
Carton: 480

Bliss Series

Modular Wiring Devices

	HWDBM1G1W 16A Single Switch 1 gang 1 way -44mm Box: 32 Carton: 320		HWDBM1G1WWL 16A Single Switch 1 gang 1 way with lamp -44mm Box: 32 Carton: 320		HWDBM1G2W 16A Single Switch 1 gang 2 way -44mm Box: 32 Carton: 320
	HWDBM1G2WWL 16A Single Switch 1 gang 2 way with lamp -44mm Box: 32 Carton: 320		HWDBMDB 16A Doorbell Switch -44mm Box: 32 Carton: 320		HWDBMDBWL 16A Doorbell Switch with Lamp -44mm Box: 32 Carton: 320
	HWDBB1G1W 16A Single Switch 1 gang 1 way -66mm Box: 24 Carton: 240		HWDBB1G1WWL 16A Single Switch 1 gang 1 way with lamp -66mm Box: 24 Carton: 240		HWDBB1G2W 16A Single Switch 1 gang 2 way -66mm Box: 24 Carton: 240
	HWDBB1G2WWL 16A Single Switch 1 gang 2 way with lamp -66mm Box: 24 Carton: 240		HWDBBDB 16A Doorbell Switch -66mm Box: 24 Carton: 240		HWDBBDBWL 16A Doorbell Switch with Lamp -66mm Box: 24 Carton: 240
	HWDBISWL 16A Intermediate Switch with lamp Box: 48 Carton: 480		HWDB20DPWL 20A DP switch with lamp Box: 48 Carton: 480		HWDB32DPWL 32A DP switch with lamp Box: 32 Carton: 320
	HWDB45DPWL 45A DP switch with lamp 44mm Box: 32 Carton: 320		HWDB1WCS Curtain Switch 1 Way Box: 48 Carton: 480		HWDB2WCS Curtain Switch 2 Way Box: 48 Carton: 480

Bliss Series

Modular Wiring Devices

Socket Outlet

HWDBUS
10A 250V Universal
Socket
Box: 32
Carton: 320

HWDB2PS
16A 250V Euro
American 2 Pin Socket
Box: 48
Carton: 80

HWDBSS
16A 250V Schuko Socket
Box: 32
Carton: 320

HWDBFS
16A 250V French Socket
Box: 32
Carton: 320

HWDB16IS
16A Italian Socket
Box: 48
Carton: 480

HWDB10IS
10A Italian Socket
Box: 48
Carton: 480

HWDB2PES
10A European 2
round pin socket
Box: 48
Carton: 480

HWDB1USB
Single USB 2.1A Socket
Box: 48
Carton: 480

HWDB2USB
Double USB 2.1A Socket
Box: 48
Carton: 480

Blank Filler

HWDBSBF
Blank Filler -11mm
Box: 336
Carton: 3360

HWDBBBF
Blank Filler -22mm
Box: 192
Carton: 1920

Accessories

HWDBDS
Cat 6 Data Socket
Box: 48
Carton: 480

HWDBTEL
Cat 3TEL Socket
Box: 48
Carton: 480

HWDBSAT
FType Satellite Socket
Box: 48
Carton: 480

HWDBTV
TV socket
Box: 48
Carton: 480

HWDBTD
Touch Delay 45 seconds
Switch
Box: 32
Carton: 320

HWDBRB
Ring Bell 90DB
Box: 48
Carton: 480

Bliss Series

Modular Wiring Devices



HWDBEL
Emergency Light
Box: 48
Carton: 480



HWDBPIR
Motion Sensor Switch
PIR more than 4meters
Box: 32
Carton: 320



HWDBVLCS
Voice and Light Control
Switch more than 70Db
Box: 32
Carton: 320



HWDBDNL
Doorbell name light
Box: 32
Carton: 320



HWDBMNL
Night Light 44mm
Box: 32
Carton: 320



HWDBBNL
Night Light 66mm
Box: 16
Carton: 160

Dimmers



HWDBDIM4
Dimmer Switch 400W
Box: 32
Carton: 320



HWDBDIM3
Dimmer Switch 300W
Box: 32
Carton: 320



HWDBFAN
Fan Switch 300W
Box: 32
Carton: 320

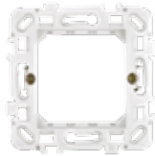
Plates



HWDBBP
Blank Plate 118mm
Box: 30
Carton: 300



HWDB2GF
European mounting
bracket without fixation
Box: 24
Carton: 240



HWDB2GEF
European mounting
bracket with fixation
Box: 24
Carton: 240



HWDB3GF
3 Gang Mounting Bracket
Box: 20
Carton: 200



HWDB4GF
4 Gang mounting
bracket
Box: 15
Carton: 150



HWDB6GF
6 Gang mounting
bracket
Box: 10
Carton: 100



HWDBEPOWH
Oval-European PlateWH
Box: 40
Carton: 400



HWDB1GPOWH
Oval-1 Gang PlateWH
Box: 20
Carton: 200



HWDB2GPOWH
Oval-2 Gang PlateWH
Box: 20
Carton: 200

Bliss Series

Modular Wiring Devices



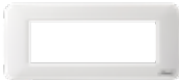
HWDB2GPSOWH
Oval-2 Gang Plate
SeparatelyWH
Box: 20
Carton: 200



HWDB3GPOWH
Oval-3 Gang PlateWH
Box: 20
Carton: 200



HWDB4GPOWH
Oval-4 Gang PlateWH
Box: 20
Carton: 200



HWDB6GPOWH
Oval-6 Gang PlateWH
Box: 18
Carton: 180



HWDBEPCWH
Curve-European PlateWH
Box: 40
Carton: 400



HWDB3GPCWH
Curve-3 Gang PlateWH
Box: 20
Carton: 200



HWDBEPFWH
Flat-European PlateWH
Box: 40
Carton: 400



HWDB3GPFWH
Flat-3 Gang PlateWH
Box: 20
Carton: 200

Waterproof Case



HWDB2GWP
2 Gang Waterproof Case
Box: 14
Carton: 140



HWDB3GWP
3 Gang Waterproof Case
Box: 10
Carton: 100



HWDB4GWP
4 Gang Waterproof Case
Box: 10
Carton: 100

Bliss Series

Modular Wiring Devices

Selection Code-PLATE

Range name	Functionality	Design	Color
HWDB	XXP	X	XX
B: Bliss	EP: European Plate 1GP: 1 Gang Plate 2GP: 2 Gang Plate 2GPS: 2 Gang Plate Separately 3GP: 3 Gang Plate 4GP: 4 Gang Plate 6GP: 6 Gang Plate	O: Oval C: Curve F: Flat	WH: White P0: Ivory P1: Green P2: Yellow P3: Orange P4: Pink P5: Red P6: Rose P7: Sky blue P8: Dark blue P9: Brown MP1: Metallic painting Sliver MP2: Metallic painting ST MP3 : Metallic painting Blue MP4 : Metallic painting Gold MP5 : Metallic painting Bronze MP6 : Metallic painting champagne WO1: Wood Mogano WO2 : Wood Glossy WO3 : Wood ARO Matt WO4 : Wood Brown Matt WO5 : Wood Brown Glossy WO6 : Wood White WO7 : Wood ZAN Matt

Color



HWDB3GPOP0



HWDB3GPOP1



HWDB3GPOP2



HWDB3GPOP3



HWDB3GPOP4



HWDB3GPOP5



HWDB3GPOP6



HWDB3GPOP7



HWDB3GPOP8

Bliss Series

Modular Wiring Devices



HWDB3GPOP9



HWDB3GPOMP1



HWDB3GPOMP2



HWDB3GPOMP3



HWDB3GPOMP4



HWDB3GPOMP5



HWDB3GPOMP6



HWDB3GPOWO1



HWDB3GPOWO2



HWDB3GPOWO3



HWDB3GPOWO4



HWDB3GPOWO5



HWDB3GPOWO6



HWDB3GPOWO7

Click Series

American Wiring Devices



Range Presentation

Click Series is characterized by its rounded shape and polished effect. Its modern and discrete design will fit in any home. All the switches and sockets are made in high quality Polycarbonate. Click Series has been designed with easiness in mind. Thanks to our quick connection terminals, electricians save 40% of their installation time. No need screwdriver anymore, just clips and go.

Features

- ◆ Modular to provide a variety of options
- ◆ Quick connection terminals to save 40% of installation time
- ◆ 5 different colors
- ◆ Works with Himel Smart

Selection Code

Range name	Functionality	Color
HWDC	xxx	C
A: Advanced S: Style M: Modern C: Click CE: Click Eco P: Prime V2	You may replace XX codes by functionality codes listed below	Default: White G: Gold C: Coffee M: Metallic B: Black

Online Content



Click Series

Color Selection



White



Gold



Coffee



Black



Metallic

CLICK
SERIES



Quick **Installation**
Future **Ready**
Multiple **Functions**

Switches



HWDC1SL
1 Gang 1 Way Switch Large Button
Box: 10
Carton: 100



HWDC1S2L
1 Gang 2 Way Switch Large Button
Box: 10
Carton: 100



HWDC1SS
1 Gang 1 Way Switch Small Button
Box: 10
Carton: 100



HWDC1S2S
1 Gang 2 Way Switch Small Button
Box: 10
Carton: 100



HWDC2SL
2 Gang 1 Way Switch Large Button
Box: 10
Carton: 100



HWDC2S2L
2 Gang 2 Way Switch Large Button
Box: 10
Carton: 100

Click Series

American Wiring Devices





HWDC2SS

2 Gang 1 Way Switch Small Button

Box: 10

Carton: 100



HWDC2S2S

2 Gang 2 Way Switch Small Button

Box: 10

Carton: 100



HWDC3S

3 Gang 1 Way Switch

Box: 10

Carton: 100



HWDC3S2

3 Gang 2 Way Switch

Box: 10

Carton: 100



HWDC4S

4 Gang 1 Way Switch

Box: 10

Carton: 100



HWDC4S2

4 Gang 2 Way Switch

Box: 10

Carton: 100



HWDCBS

Bell Switch

Box: 10

Carton: 100



HWDCD

1 Gang Dimmer Switch
(300W/220V)

Box: 8

Carton: 80



HWDCFS

1 Gang Fan Speed Switch
(300W/220V)

Box: 8

Carton: 80

Socket Outlets



HWDC12P

1 Gang 2 Pin Socket

Box: 10

Carton: 100



HWDC12PS

1 Gang 2 Pin Socket + Shutter

Box: 10

Carton: 100



HWDC22P

2 Gang 2 Pin Socket

Box: 10

Carton: 100



HWDC22PS

2 Gang 2 Pin Socket + Shutter

Box: 10

Carton: 100



HWDC32P

3 Gang 2 Pin Socket

Box: 10

Carton: 100



HWDC32PS

3 Gang 2 Pin Socket + Shutter

Box: 10

Carton: 100



HWDC1S2P

1 Gang 1 Way Switch 2 Pin Socket

Box: 10

Carton: 100



HWDC1S22P

1 Gang 2 Way Switch 2 Pin Socket

Box: 10

Carton: 100



HWDC1A

3 Pin American Socket

Box: 10

Carton: 100



HWDC1SA

1 Gang 1 Way Switch American Socket

Box: 10

Carton: 100



HWDC1S2A

1 Gang 2 Way Switch American Socket

Box: 10

Carton: 100



HWDC2A

2 Gang American Socket

Box: 10

Carton: 100

Click Series

American Wiring Devices





HWD20A

1 Gang 20A Socket

Box: 10

Carton: 100



HWDCTU

2 Gang Universal American Socket

Box: 10

Carton: 100



HWD20MF

2 Gang MF Socket

Box: 10

Carton: 100



HWD1AUSB

American Socket + 2 port USB (2A)

Box: 8

Carton: 80



HWDUSB

1 Gang USB Charger Socket

Box: 8

Carton: 80



HWDSENP

1 Gang Sensory Switch

Box: 8

Carton: 80

Telecommunication Accessories



HWDCT

1 Gang 4coreTel Socket

Box: 10

Carton: 100



HWD8CSD

1 Gang 8core Data Socket + Shutter

Box: 10

Carton: 100



HWD1S

1 Gang Satellite Socket

Box: 10

Carton: 100



HWD1SCT

1 Gang Satellite Socket + Tel Socket

Box: 10

Carton: 100



HWD1SD

1 Gang Satellite Socket + Data Socket

Box: 10

Carton: 100



HWDWCP

Weather-Proof Plate Cover SlimType

Box: 8

Carton: 80



HWD5P1

1 Gang Plate

Box: 20

Carton: 200



HWD5P2

2 Gang Plate

Box: 20

Carton: 200



HWD5P3

3 Gang Plate

Box: 20

Carton: 200



HWD1P

Blank Plate

Box: 20

Carton: 200



HWD1MC

1 Gang MCB Cover

Box: 20

Carton: 200



HWD2MC

2 Gang MCB Cover

Box: 20

Carton: 200

Click Series

American Wiring Devices



Modular



HWDC51S
1 Way Switch 72mm
Box: 6
Carton: 144



HWDC51S2
2 Way Switch 72mm
Box: 6
Carton: 144



HWDC52S1
1 Way Switch 36mm
Box: 12
Carton: 288



HWDC52S2
2 Way Switch 36mm
Box: 12
Carton: 288



HWDC53S
1 Way Switch 24mm
Box: 18
Carton: 432



HWDC53S2
2 Way Switch 24mm
Box: 18
Carton: 432



HWDC53S3
3 Way Switch 24mm
Box: 18
Carton: 432



HWDC54S
1 Way Switch 18mm*2
Box: 12
Carton: 288



HWDC54S2
2 Way Switch 18mm*2
Box: 12
Carton: 288



HWDC52P
2 Pin Socket 24mm
Box: 18
Carton: 432



HWDC52PS
2 Pin Socket + Shutter 24mm
Box: 18
Carton: 432



HWDC5MF
MF Socket 36mm
Box: 12
Carton: 288



HWDC5AM
3 Pin American Socket 24mm
Box: 18
Carton: 432



HWDC520A
1 Gang 20A Socket 36mm
Box: 12
Carton: 288



HWDC5TW
Twin Receptacle
Box: 6
Carton: 144



HWDC5TWU
Twin Universal Receptacle
Box: 6
Carton: 144



HWDCAMUSB
American Socket + 2 port
USB (2A)
Box: 30
Carton: 300



HWDC5USB
2A USB Charger 24mm
Box: 16
Carton: 384



HWDC5SAT
Satellite Socket 24mm
Box: 18
Carton: 432



HWDC5TEL4
4core Tel Socket 24mm
Box: 18
Carton: 432



HWDC5DAT8
8core data Socket +Shutter
CAT5
Box: 18
Carton: 432

Click Series

American Wiring Devices





HWDC5BP
Blank Plate 24mm
Box: 36
Carton: 864



HWDC5BS
Bell Switch 24mm
Box: 18
Carton: 432



HWDC5D
Dimmer Switch
(300W/220V) 24mm
Box: 8
Carton: 192



HWDC5FS
Fan Speed Switch
(200W/220V) 24mm
Box: 8
Carton: 192



HWDC5SEN
Sensory Switch 36mm
Box: 8
Carton: 192



HWDC5BUZ
Buzzer
Box: 10
Carton: 240

Future Ready

Upgrade your Click Series switches with our WIFI Smart modules



HHESM
Smart Switch Module
Box: 1
Carton: 100



HHE2SM
2 Gang Switch Module
Box: 1
Carton: 100



HHESD
Smart Dimmer Module
Box: 1
Carton: 100



HHE2SD
2 Gang Dimmer Module
Box: 1
Carton: 100



Click Eco Series

American Wiring Devices



Range Presentation

Click Eco Series is our semi slim design range of switches and sockets. It provides a quick and simply solution for any application. The interchangeable plates and modules allows the product to meet different market demands. Click Eco plates are screwless to give a modern look at home. Our products are developed in accordance with local and global safety standards.

Features

- ◆ Modular to provide a large variety of options
- ◆ Simple, practical and economic
- ◆ USB charger socket outlet
- ◆ Fire retardant material
- ◆ Works with Himel Smart

Selection Code

Range name	Functionality
HWDCE	XXX
A: Advanced S: Style M: Modern C: Click CE: Click Eco P: Prime V2	You may replace XX codes by functionality codes listed below

Online Content



Click Eco Series

CLICK Eco
SERIES



Timeless **Design**
Complete **Solution**
Good **quality & economic**



Switches



HWDCESS10
1 Way Small Switch 10A 24mm
Box: 18
Carton: 432



HWDCE2SS10
2 Way Small Switch 10A 24mm
Box: 18
Carton: 432



HWDCESS15
1 Way Small Switch 16A 24mm
Box: 18
Carton: 432



HWDCE2SS15
2 Way Small Switch 16A 24mm
Box: 18
Carton: 432



HWDCELS10
1 Way Medium Switch 36mm
Box: 12
Carton: 288



HWDCE2LS10
2 Way Medium Switch 36mm
Box: 12
Carton: 288

Click Eco Series

American Wiring Devices



HWDCEMS10
1 Way Large Switch 10A 72mm
Box: 6
Carton: 144



HWDCE2MS10
2 Way Large Switch 10A 72mm
Box: 6
Carton: 144



HWDCEBS
Bell Switch 24mm
Box: 18
Carton: 432

Sockets



HWDCE2P
2Pin Socket 10A 24mm
Box: 18
Carton: 432



HWDCE2PS
2Pin Socket + Shutter 10A 24mm
Box: 18
Carton: 432



HWDCEFS
2Pin Flat Socket 16A
Box: 18
Carton: 432



HWDCEUSB
2 USB Sockets 24mm
Box: 18
Carton: 432



HWDCEAS
American Socket 16A
Box: 18
Carton: 432



HWDCE2AS
2Gang American Socket 72mm
Box: 6
Carton: 144



HWDCE2US
2Gang 3P Universal American
Socket 72mm
Box: 6
Carton: 144

Accessories



HWDCEBM
Blank Module 24mm
Box: 36
Carton: 846



HWDCEDS
Data Socket 24mm
Box: 18
Carton: 432



HWDKET
4core Tel Socket 24mm
Box: 18
Carton: 432



HWDCESAT
Satellite TV Socket 24mm
Box: 18
Carton: 432



HWDCED
Dimmer Switch 300W,
220V 24mm
Box: 8
Carton: 192



HWDCEFS
Fan Speed Control 24mm
Box: 8
Carton: 192

Click Eco Series

American Wiring Devices

Plate



HWDCE1P
1 Gang Plate
Box: 20
Carton: 200



HWDCE2P
2 Gang Plate
Box: 20
Carton: 200



HWDCE3P
3 Gang Plate
Box: 20
Carton: 200



HWDCEBP
Blank Plate
Box: 20
Carton: 200

Future Ready

Upgrade your Click Eco Series switches with our WIFI Smart modules



HHESM
Smart Switch Module
Box: 1
Carton: 100



HHE2SM
2 Gang Switch Module
Box: 1
Carton: 100



HHESD
Smart Dimmer Module
Box: 1
Carton: 100



HHE2SD
2 Gang Dimmer Module
Box: 1
Carton: 100



Floor Series

Professional Wiring Devices



Range Presentation

Modern buildings needs are diverse and evolving. Himel Floor Sockets are solving the needs of the buildings of today and tomorrow thanks to a contemporary designed socket, popping out from the floor, providing convenient and safe power outlet. Perfect for residential and commercial buildings and for diverse flooring and countertop application (including wood, carpet, granite and marble).

Features

- ◆ 22 optional modules
- ◆ Prevent electrical short circuit and reduce tripping hazards
- ◆ Corrosion resistant
- ◆ Wear and pressure-resistant panel material
- ◆ Flame retardant modules
- ◆ Shutter protector
- ◆ Indonesia: SNI
- ◆ Works with Himel Smart

Color Selection



Aluminum



Brass

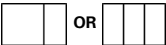
Online Content

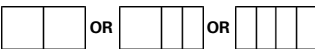


Floor Series

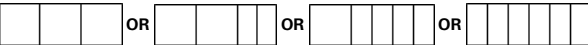
Configuration Selection

Empty Box + Module Accessories

3-Module box 

4-Module box 

3-Module * 2 box 

6-Module box 

How To Order:



FLOOR SERIES



For the **buildings** of today and tomorrow
Contemporary
Convenient and **Safe**

Empty Boxes



without modules shown

HHEFS1A
POP UP FLOOR
SOCKET Alu. Alloy
3-Module box
Box: 1
Carton: 12



without modules shown

HHEFS1C
POP UP FLOOR SOCKET
Brass Alloy
3-Module box
Box: 1
Carton: 20



without modules shown

HHEFS2A
POP UP FLOOR
SOCKET Alu. Alloy
4-Module box
Box: 1
Carton: 20



without modules shown

HHEFS1CW
POP UP WATERPROOF
FLOOR SOCKET Brass Alloy
3-Module box
Box: 1
Carton: 20



without modules shown

HHEFS1AW
POP UP WATERPROOF
FLOOR SOCKET Alu. Alloy
3-Module box
Box: 1
Carton: 20



without modules shown

HHEFS2C
POP UP FLOOR SOCKET
Brass Alloy
4-Module box
Box: 1
Carton: 12

Floor Series

Professional Wiring Devices



HHEFS22A
POP UP FLOOR SOCKET Alu.
Alloy 3-Module * 2 box
Box: 1
Carton: 10

without modules shown



HHEFS22C
POP UP FLOOR SOCKET Brass
Alloy 3-Module * 2 box
Box: 1
Carton: 10

without modules shown



HHEFSTABA
POP UPTABLE SOCKET
AL. 6-Module box
Box: 1
Carton: 12

without modules shown



HHEFSTAB
OPEN COVERTABLE SOCKET
ABS 6-Module box
Box: 1
Carton: 12

without modules shown

2 Module Accessories



HHEFSF18
American Socket
Box: 10
Carton: 250



HHEFSF4
Universal Socket
Box: 10
Carton: 250



HHEFSF11
British Socket
Box: 10
Carton: 250



HHEFSF15
Euro Socket
Box: 10
Carton: 250



HHEFSF3
3Pin 10A Socket
Box: 10
Carton: 250



HHEFSF9
Double USB Charger
Box: 10
Carton: 250

1 Module Accessories



HHEFSF2
2Pin Socket
Box: 20
Carton: 500



HHEFSF58
Sound Socket
Box: 50
Carton: 1000



HHEFSF23
Tel Socket
Box: 50
Carton: 1000



HHEFSF21
Data Socket
Box: 50
Carton: 1000



HHEFSF20
Data Plate
Box: 100
Carton: 2000



HHEFSF56
Video Socket
Box: 50
Carton: 1000



HHEFSF55
Audio Socket
Box: 50
Carton: 1000



HHEFSF50
TV Socket
Box: 50
Carton: 1000



HHEFSF51
BNC Socket
Box: 50
Carton: 1000

Floor Series

Professional Wiring Devices



1 Module Accessories



HHEFSF52
3.5mm Earphone Socket
Box: 50
Carton: 1000



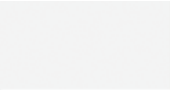
HHEFSF60
Cannon Socket
Box: 50
Carton: 1000



HHEFSF65
15 VGA Pin Socket
Box: 50
Carton: 1000



HHEFSF66
15 VGA Hole Socket
Box: 50
Carton: 1000



HHEFSF70
Empty Plate
Box: 100
Carton: 2000



HHEFSF68
HDMI Socket
Box: 50
Carton: 1000



HHEFSF6
USB Charger
Box: 20
Carton: 500

Extension Sockets-British Standard

Standard: BS1363 IEC60884
Certificate: GCC ECAS



Range Presentation

A range of multi-outlet extensions with cord which are suitable in both home and workspace. Perfect to connect several devices equipped with plugs with or without earth. Our extension sockets are flat and can be fitted underneathfurniture. Available with or without switch, to power on andoff without operating the main socket. Design with yourcomfort and safety as priority.

Features

- ◆ BS &Universal extension socket with BS plug
- ◆ Cable length: 3M &5M
- ◆ Rating: 13A/250V~
- ◆ USB output: 5V 2.1AMax
- ◆ Fire retardant PC material
- ◆ With child-safe shutter
- ◆ Up to 5gangs

Selection Code

Range name	Functionality	Functionality
HESABS	3IS	3M
ES: Extension socket A: Advanced series BS: BS type UNBS: Universal type with BS plug	3IS: 3gang individual switch 4IS: 4gang individual switch 5IS: 5gang individual switch 3IS2USB: 3gang individual switch with 2USB 4IS2USB: 4gang individual switch with 2USB	3M: 3meters 5M: 5meters

Order Information



HESABS3IS3M
HESABS3IS5M
BS 3 Gang With Individual Switches
Cable length: 3M/5M
Box: 1
Carton: 24



HESABS4IS3M
HESABS4IS5M
BS 4 Gang With Individual Switches
Cable length: 3M/5M
Box: 1
Carton: 24



HESABS5IS3M
HESABS5IS5M
BS 5 Gang With Individual Switches
Cable length: 3M/5M
Box: 1
Carton: 24



HESABS3IS2USB3M
HESABS3IS2USB5M
BS 3 Gang Individual Switches with 2USB
Cable length: 3M/5M
Box: 1
Carton: 24

Extension Sockets-British Standard

Standard: BS1363 IEC60884
Certificate: GCC ECAS



HESABS4IS2USB3M
HESABS4IS2USB5M
BS 4 Gang Individual Switches with 2USB
Cable length: 3M/5M
Box: 1
Carton: 24



HESAUNBS3IS3M
HESAUNBS3IS5M
Universal BS Plug 3 Gang Individual switch
Cable length: 3M/5M
Box: 1
Carton: 24



HESAUNBS4IS3M
HESAUNBS4IS5M
Universal BS Plug 4 Gang Individual switch
Cable length: 3M/5M
Box: 1
Carton: 24



HESAUNBS5IS3M
HESAUNBS5IS5M
Universal BS Plug 5 Gang Individual switch
Cable length: 3M/5M
Box: 1
Carton: 3M:24/ 5M:20



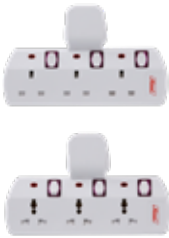
HESAUNBS3IS2USB3M
HESAUNBS3IS2USB5M
Universal BS Plug 3 Gang Individual switch 2USB
Cable length: 3M/5M
Box: 1
Carton: 24



HESAUNBS4IS2USB3M
HESAUNBS4IS2USB5M
Universal BS Plug 4 Gang Individual switch 2USB
Cable length: 3M/5M
Box: 1
Carton: 3M:24/ 5M:20

Extension Sockets-British Standard

Standard: BS1363 IEC60884



Range Presentation

A range of multi-outlet extensions with cord which are suitable in both home and workspace. Perfect to connect several devices equipped with plugs with or without earth. Our extension sockets are flat and can be fitted underneathfurniture. Available with or without switch, to power on andoff without operating the main socket. Design with yourcomfort and safety as priority.

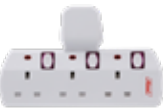
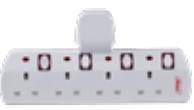
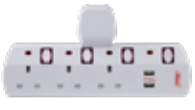
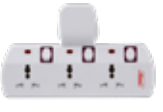
Features

- ◆ BS &Universal adaptor with BS plug
- ◆ Rating: 13A/250V~
- ◆ USB output: 5V 2.1AMax
- ◆ Fire retardant PC material
- ◆ With child-safe shutter
- ◆ Up to 4gangs

Selection Code

Range name	Functionality
HESABSA	3IS
ES: Extension socket A: Advanced series BSA: BS adaptor UNA: Universal adaptor	3IS: 3gang individual switch 4IS: 4gang individual switch 3IS2USB: 3gang individual switch with 2USB

Order Information

 HESABSA3IS BS Adaptor 3 Gang Individual Switches Box: 1 Carton: 36	 HESABSA4IS BS Adaptor 4 Gang Individual Switches Box: 1 Carton: 36	 HESABSA3IS2USB BS Adaptor 3 Gang Individual switch 2USB Box: 1 Carton: 36
 HESAUNA3IS Universal Adaptor 3 Gang Individual switch Box: 1 Carton: 36	 HESAUNA4IS Universal Adaptor 4 Gang Individual switch Box: 1 Carton: 36	 HESAUNA3IS2USB Universal Adaptor 3 Gang Individual switch 2 USB Box: 1 Carton: 36
 HEBSP BS Plug Box: 20 Carton: 480		

Weatherproof Series



Range Presentation

Electrical networks are very sensitive to rain, moisture, and dust— which can cause serious safety issues to people. Himel provides the ideal residential weatherproof protection with Weatherproof Series. Designed with your safety in mind, every Weatherproof product is robust and durable. Our cases are available in 6 different colors and finishing, as being safe doesn’t have to clash with a good architectural design.

Features

- ◆ IP12 and IP55 covers available
- ◆ 6 colors and 2 different finishes (matte and shiny)
- ◆ Waterproof and Dustproof
- ◆ Large bottom hole for thick and large wires
- ◆ Safety lock to protect against misuse
- ◆ Compatible with most British format (86mm x 86mm) wall plates

Selection Code -Overall

Range Name	Protection	Color
HHEWP	XXXX	XXXX
WP: Weatherproof	You may replace XX codes by protection degree 55: IP55 Cover	TP: Transparent WH: White GO: Gold SL: Silver MG: Matte Grey MB: Matte Black

COVER CASE
IP12



Protect your everyday power socket with style. Our attractive finishes can suit all types of interior and exterior designs.

WATERPROOF CASE
IP55



Add an extra level of protection to your power socket with Himel IP55 protection. Perfect solution for maximum security for outdoor usages.

Weatherproof Series

COVER CASE IP12

	HHEWPTP Waterproof box-Transparent Material: PS Box: 1 Carton: 200		HHEWPWH Waterproof box-White Material: ABS Box: 1 Carton: 200		HHEWPGO Waterproof box-Gold Material: ABS Box: 1 Carton: 200
	HHEWPSL Waterproof box-Silver Material: ABS Box: 1 Carton: 200		HHEWPMG Waterproof box-Matte grey Material: ABS Box: 1 Carton: 200		HHEWPMB Waterproof box-Matte black Material: ABS Box: 1 Carton: 200

WEATHERPROOF CASE IP55

	HHEWP55TP Weatherproof box IP55-Transparent Material: PS Box: 1 Carton: 100		HHEWP55WH Weatherproof box IP55-White Material: ABS Box: 1 Carton: 100
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Tool Series



Range Presentation

Constructed specifically for the professional electrician. Enhance the way you work with the most commonly used tools, including electronic test pencil, cutter, hammer, electrical tape, screwdriver etc. Whether next door or at the most remote site, HimelToolbox guarantee to always get the tools required.

Features

- ◆ Set: 8 pieces / 18 pieces
- ◆ Digital Multimeter / Digital Clamp Meter

Selection Code

Range name	Functionality
HHETS	8
TS: Tool set D: Digital meter	8: 8 individual tools 18: 18 individual tools MM: Digital Multimeter CM: Digital Clamp Meter

Online Content



Tool Boxes

Order Information

			
	Stationery Knife 18mm	Test Pencil	
			
	6 inch Wire Cutter	Cross & straight Screwdriver	
HHETS8 Tool Set 8 Pieces Box: 1 Carton: 10			
	Claw Hammer	Electrical Tape	2M Tape Measure
			
	Cross & straight Screwdriver	Hex Key	
			
	Test Pencil	Stationery Knife 18mm	
			
	6 inch Long Nose Pliers	6 inch Wire Cutter	
			
	Claw Hammer	Electrical Tape	
			
		8 inch Adjustable Spanner	
			
		2M Tape Measure	
HHETS18 Tool Set 18 Pieces Box: 1 Carton: 6			HHEDMM Digital Multimeter Box: 1 Carton: 45

Cable Ties



Range Presentation

The unmissable product for electricians. Clean your installations by holding cables together or in a specific location. Our cable ties can also be used for hanging or storing parts.They are made from nylon 66, they are super easy to use and a must in every professional electrician.

Features

- ◆ Material: Nylon 66
- ◆ Tensile Strenght (LBS): 18 / 40 / 50
- ◆ Max Bundle Diameter: 22 / 35 / 50 / 65 / 82 / 90
- ◆ Flammability rating 94V-2
- ◆ Weather and UV Resistant
- ◆ High Strength locking

Online Content



Cable Ties

Commercial Ref	Length (mm)	Width (mm)	Colour	Minimum Operating Temperature	Maximum Operating Temperature	Maximum Bundle Diameter (mm)	Tensile Strength (LBS)	Quantity per bag	Bags per Master Carton
HHEC1025B	100	2.5	Black	-40°C	85°C	22	18	100	500
HHEC1025W	100	2.5	White	-40°C	85°C	22	18	100	500
HHEC1535B	150	3.5	Black	-40°C	85°C	35	40	100	250
HHEC1535W	150	3.5	White	-40°C	85°C	35	40	100	250
HHEC2048B	200	4.8	Black	-40°C	85°C	50	50	100	100
HHEC2048W	200	4.8	White	-40°C	85°C	50	50	100	100
HHEC2536B	250	3.6	Black	-40°C	85°C	65	40	100	100
HHEC2536W	250	3.6	White	-40°C	85°C	65	40	100	100
HHEC3048B	300	4.8	Black	-40°C	85°C	82	50	100	100
HHEC3048W	300	4.8	White	-40°C	85°C	82	50	100	100
HHEC3548B	350	4.8	Black	-40°C	85°C	90	50	100	100
HHEC3548W	350	4.8	White	-40°C	85°C	90	50	100	100
HHEC1025C1500	100	2.5	Black / White / Red / Blue /Yellow	-40°C	85°C	22	18	1500	40
HHEC1535C800	150	3.5	Black / White / Red / Blue /Yellow	-40°C	85°C	35	40	800	20

Color Selection



Black



White



Colorful

Electrical Tape

Accessories & Tools



Range Presentation

Suitable for electrical insulation, binding, colour coding and general work.
Strong flame retardant performance
High temperature and high voltage resistance
Effectively protect your electrical wires

Features

- ◆ Available in a large range of sizes and colors
- ◆ Manufactured from flame retardant materials
- ◆ Follow ROHS 1.0
- ◆ Operation temperature: 0°C to 80°C
- ◆ Withstand voltage <600V

Online Content



Electrical Tape

Selection Code

Category	Series name	Thickness	Width	Length	Colour
HHE	ET	013	18	10	B
HHE: Himel Home Electric	ET: Electrical Tape	013: 0.13mm	18: 18mm	5: 5m 10: 10m 20: 20m	B: Black BL: Blue W: White G: Green R: Red Y: Yellow GREY: Grey YG: Yellow/Green
		015: 0.15mm	19: 19mm	5: 5m 10: 10m 20: 20m	B: Black BL: Blue W: White G: Green R: Red Y: Yellow YG: Yellow/Green
		018: 0.18mm	19: 19mm	20: 20m	B: Black

Pc(S)/Carton Depend On The Length

Length	Unit(Pc(S))	Pc(S)/Carton
10m	Roll	300
20m	Roll	200
5m	Roll	450



HIMEL SMART

Connected Home made Affordable

with Himel WiFi Solution, cost of connected products is reduced as a Hub is not required to use the products - products that 'speak' WiFi can be controlled directly



HOME ELECTRIC

Smart Plug

Smart Devices



Range Presentation

Upgrade your regular appliance and add it to your smart home system by using Himel Smart Plug. Easy to install, just plug into your outlets and you can run your small appliances through your phone or with your voice. Improve your energy usage and add more convenience to your time at home.

Features

- ◆ Overload protection
- ◆ Fire Resistant material
- ◆ Easy installation
- ◆ Control with app or voice
- ◆ Compatible with Amazon Alexa & Google Home
- ◆ Setting ScheduleTimer functionality

Selection Code

Range name	Functionality	Standard
HHES	P	US
S: Smart	P: Plug	US: American EU: European UK: British

Online Content



Smart Plug

Order Information



HHESPUK
Smart plug-UK 13A
Box: 1
Carton: 180



HHESPUS
Smart plug-US 16A
Box: 1
Carton: 200



HHESPEU
Smart plug-EU 16A
Box: 1
Carton: 180

Smart Bulbs

Smart Devices



Range Presentation

Brighter and easier to control than ever, Himel Smart bulbs make home lighting more fun and comfortable. With built-in Wi-Fi radios connected directly with your router, you can control our bulbs remotely whenever you have an internet connection. There is no need of an expensive hub to control our devices, that's how we make connected home affordables. Play with our 16 million colors to transform the ambience of any room.

Features

- ◆ E27 cap type
- ◆ Energy efficient LED lighting
- ◆ 2 color ranges: Soft White and Colorful
- ◆ Control with app or voice
- ◆ Compatible with Amazon Alexa & Google Home
- ◆ ScheduleTimer functionality

Selection Code

Range name	Color
HHES	BW
S: Smart	BW: White RGB: Colorful

Online Content



Smart Bulbs

Order Information



HHESBW
9W White-E27
Box: 1
Carton: 50



HHESBRGB
9W RGB-E27
Box: 1
Carton: 50

Smart Modules

Smart Devices



Range Presentation

Himel Smart Module is an affordable in-wall on/off module that can be installed behind traditional electrical switches. You can control the on and off status of your devices simply with your smartphone. Himel Smart Module makes all switches smart. As long as the mobile phone has network(2G/3G/4G/WiFi), users can remotely control the lights at home by turning them on off from anywhere at any time. Another feature available is to set timers for the light, which can include countdown/scheduled/loop timers and thus enhance your everyday life.

Features

- ◆ Compact design
- ◆ Very low power consumption
- ◆ Easy installation
- ◆ Control with app or voice
- ◆ Compatible with Amazon Alexa & Google Home
- ◆ Setting ScheduleTimer

Selection Code

Range name	Gang	Functionality
HHES	2	M
S: Smart	2: 2Gang	M: Switch D: Dimmer

Online Content



Smart Modules

Future Ready

Upgrade your Click Eco Series switches with our WIFI Smart modules



HHESM
Smart Switch Module
Box: 1
Carton: 100



HHE2SM
2 Gang Switch Module
Box: 1
Carton: 100



HHESD
Smart Dimmer Module
Box: 1
Carton: 100



HHE2SD
2 Gang Dimmer Module
Box: 1
Carton: 100



[illegible]

support@himmel.com



Address:

