



Catalogue

Reliable made affordable





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Himel is a multinational manufacturer and provider of electrical products successfully combining global expertise with local knowledge.

Founded by a Spanish entrepreneur in 1958, the company pioneered in exporting quality electrical enclosures, establishing Himel brand globally. Today, our global footprint and technology enable us to provide the best combination of affordable and reliable offers for Low Voltage Power distribution, Industry Automation and Home Electric to our long-term customers and partners in over 50 countries where we are present.

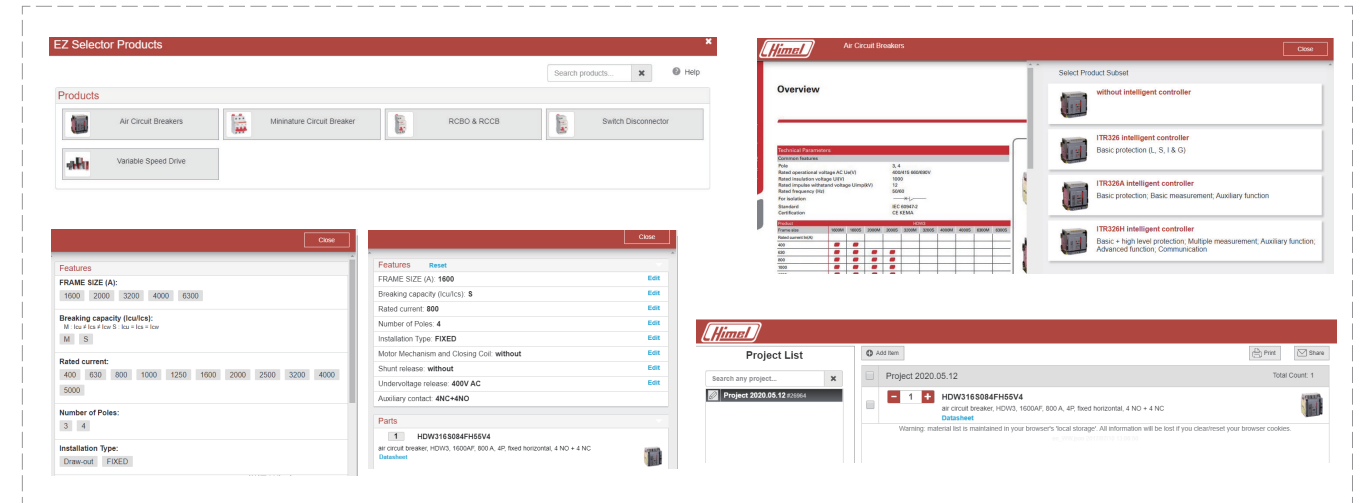
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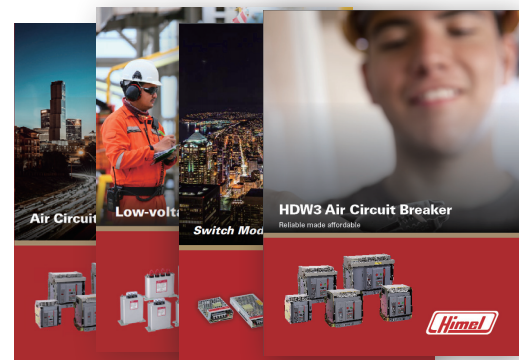
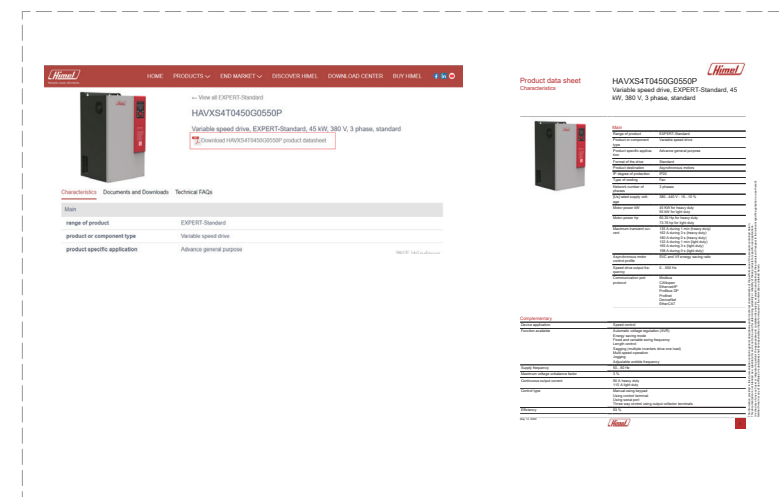


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- Retail store branding
- New product launch material
- Project References
- Marcom library



CONTENT

Power Distribution

01-20



01-20

3 Series Miniature Circuit Breaker



01-20

3 Series RCBO



01-20

3 Series RCCB



01-20

3 Series Switch Disconnectors



01-20

9 Series Miniature Circuit Breakers



01-20

9 Series RCBO



01-20

9 Series Switch Disconnectors



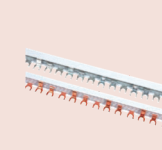
01-20

Plug in Miniature Circuit Breakers



01-20

Distribution Boxes



01-20

Busbars



01-20

Modular Contactors



01-20

Surge Protective Devices



01-20

Digital Time Switches

Low-voltage Distribution

01-20



01-20

Molded Case Circuit Breakers



01-20

Air Circuit Breakers



01-20

Automatic Transfer Controllers



01-20

Switch Disconnectors



01-20

Fuses

Power Factor Correction

01-20



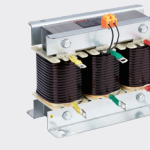
01-20

Low-voltage Capacitors



01-20

Reactive Power Compensation Controllers



01-20

Three-phase Serial Reactors

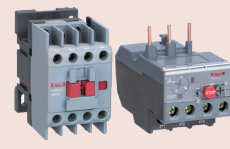


01-20

Capacitor Switching Contactors

Motor Management

01-20



01-20

Contactors & Thermal Overload Relays



01-20

Relays



01-20

Motor Circuit Breakers



01-20

Magnetic Starters



01-20

Variable Speed Drives

Panel Components

01-20



01-20

Pushbutton Switches



01-20

Pilot Lights



01-20

Industrial Plugs



01-20

Connectors and Terminal Blocks



01-20

Switch Mode Power Supplies



01-20

Control Transformers

Metering

01-20



01-20

Digital Panel Meters



01-20

Panel Meters



01-20

Current Transformers



01-20

Electronic Watt-hour Meters

Voltage Stabilizer

01-20



01-20

Servo type Voltage Stabilizers



01-20

Wall-mounted Voltage Stabilizers



01-20

Relay type Voltage Stabilizers



01-20

Three-phase Voltage Stabilizers

Home Electric

01-20



01-20

British Standard Wiring Devices



01-20

European Standard Wiring Devices



01-20

American Standard Wiring Device



01-20

Floor Sockets



01-20

Extension Sockets



01-20

Accessories & Tools



01-20

Cable Ties



01-20

Electrical Tape



01-20

Smart Devices

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

3 Series RCBO



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

3 Series RCCB & Switch Disconnectors



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

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

3 Series Accessories



9 Series

9 Series Miniature Circuit Breakers



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

9 Series RCBO



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

9 Series Switch Disconnectors



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

9 Series Accessories



Final Distribution

HDBK Plug in Miniature Circuit Breakers **NEW**



HDBK

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

HDPZ50 Consumer Boxes



HDPZ50

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

HJXF Metal Enclosures



HJXF

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

HBBT Comb Busbars



HBBT

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

HDCH8S Modular Contactors



HDCH8S

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

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

HKG Digital Time Switches



HKG

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

3 Series Miniature Circuit Breakers

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 20: 20A 2: 2A 25: 25A 3: 3A 32: 32A 4: 4A 40: 40A 6: 6A 50: 50A 10: 10A 63: 63A 16: 16A
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 25: 25A 10: 10A 32: 32A 20: 20A 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) 13: 13A 2: 2A (Type C) 16: 16A 3: 3A (Type C) 20: 20A 4: 4A (Type C) 25: 25A 5: 5A (Type C) 32: 32A 6: 6A 40: 40A 8: 8A 50: 50A 10: 10A 63: 63A

Online content



HDB3w



HDB3wH



HDB3w-125



HDB3wP



HDB3wHP



HDB3wZ

3 Series Miniature Circuit Breakers

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, D Type		B, C, D Type	C, D Type		B, C Type
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°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	25mm ²		50mm ²	16mm ²		25mm ²
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

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.

Features

- ◆ Full product range from 6A to 125A
- ◆ 5 residual current: 30mA, 50mA, 75mA, 100mA, 300mA
- ◆ Multi-Selection: MCB with indicator (H series) or without indicator

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 neutral RCBO without indicator HDB3wHPLE: Phase neutral 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

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	IEC 61009-1
Certificate	CE, ROHS (2P, 3P, 4P)	CE, CB, ROHS	CE, CB, TUV, ROHS	CE, CB, TUV, ROHS	CE, CB, TUV, ROHS
Rated insulation voltage Ui	500V	500V	500V	500V	500V
Frequency	50/60Hz	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	240V
Rated short-circuit capacity Icn	6kA	10kA	4.5kA	3kA 4.5kA	3kA 4.5kA
Rated impulse withstand voltage Uimp	4kV	4kV	4kV	4kV	4kV
Pollution class	2	2	2	2	2
Tripping type	Thermal magnetic tripping				
Isolation function	YES	YES	YES	YES	YES
Rated residual operating current In	30, 50, 75, 100, 300mA	30, 50, 75, 100, 300mA	30mA	30mA	30mA
Tripping characteristics	C, D Type	C, DType	C, DType	C, DType	C, DType
Mechanical characteristics					
Mechanical endurance	25000	8500	4000	4000	4000
Electrical endurance	6000	3000	4000	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)	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	30g, 3 shocks, lasting 11ms
Rated ambient temperature	30°C	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	-20°C ~+60°C
Storage temperature	-40°C ~+70°C	-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: 16mm ² 40~63A: 25mm ²	Rated current 6~32A: 16mm ² 40~63A: 25mm ²	50mm ²	16mm ²	16mm ²
Maximum torque	Rated current 6~32A: 2N.m 40~63A: 2.5N.m	Rated current 6~32A: 2N.m 40~63A: 2.5N.m	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

Power 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 U_i	500V
Frequency	50/60Hz
Rated operational voltage U_e	230 (1P) 400V (2P, 3P, 4P)
Rated short-time withstand current I_{cw} (kA)	20le/1s
Rated short-circuit making capacity I_{cm} (kA)	28, 1le
Rated impulse withstand voltage U_{imp}	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	25mm ²
Maximum torque	2.5N.m
Installation	35mm DIN rail
Line incoming type	Top or bottom

Power 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: A Type

Technical parameters	
RCCB	HDB3VR
Electrical characteristics	
Standard	IEC 61008-1
Certificate	CE, TUV, ROHS
Rated insulation voltage U_i	500V
Frequency	50/60Hz
Rated operational voltage U_e	240 (2P) 415V (4P)
Rated short-circuit capacity I_{cn}	6kA
Rated impulse withstand voltage U_{imp}	4kV
Pollution class	2
Type	A , ACType
Isolation function	Yes
Rated residual operating current $I_{\Delta n}$	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	25mm ² (≤63A) 35mm ² (> 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

Power Distribution

3 Series Accessories for MCB & RCBO

Standard: IEC/EN 60947

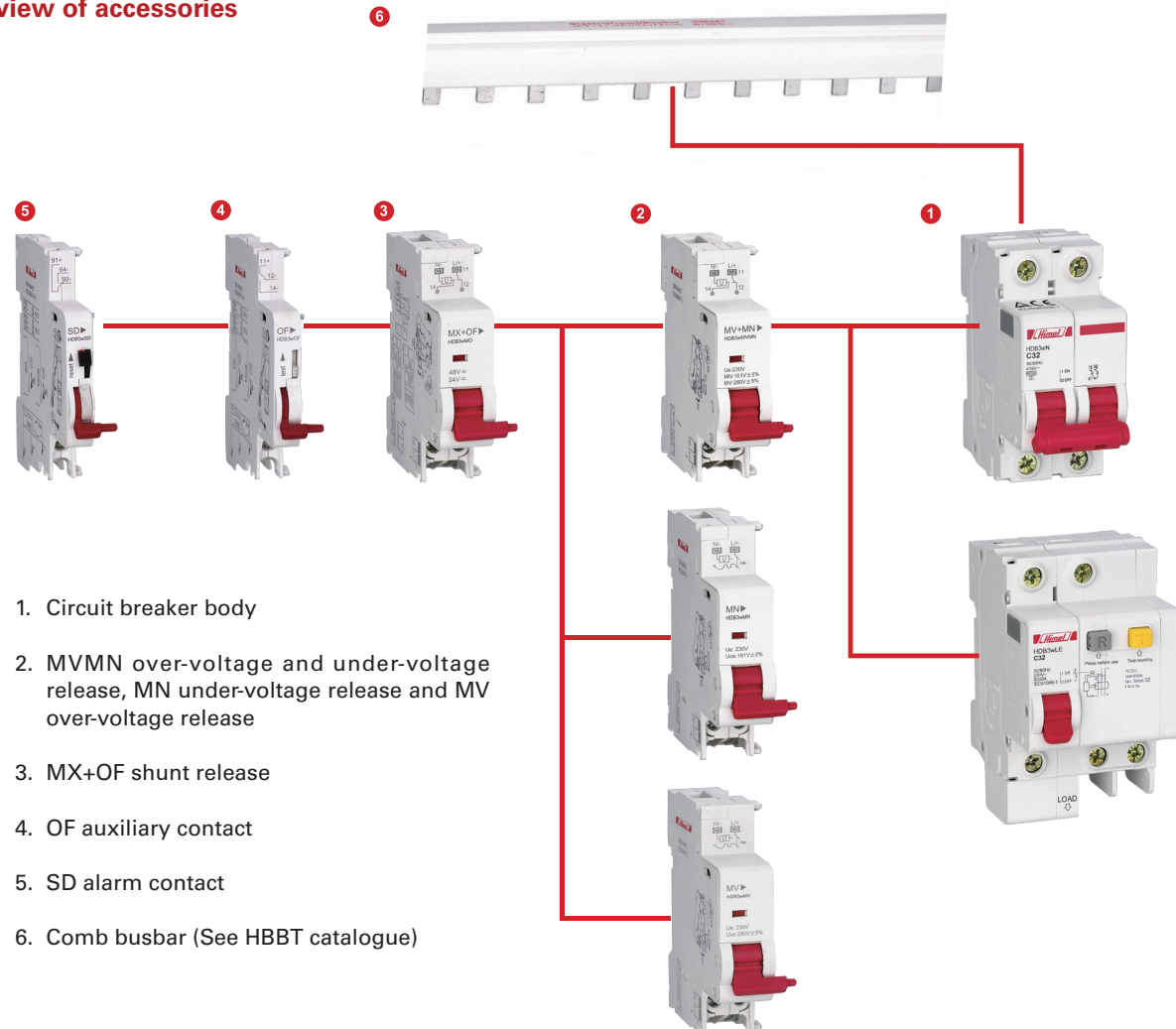


Compatible with HDB3w, HDB3wH, HDB3wP, HDB3wHP, HDB3wLE, HDB3wHLE, HDB3wPLE, HDB3wHPLE

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	1~2.5mm ²	1~2.5mm ²	1~2.5mm ²	1~2.5mm ²	1~2.5mm ²	1~2.5mm ²
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



1. Circuit breaker body
2. MVMN over-voltage and under-voltage release, MN under-voltage release and MV over-voltage release
3. MX+OF shunt release
4. OF auxiliary contact
5. SD alarm contact
6. Comb busbar (See HBBT catalogue)

Power Distribution

9 Series Miniature Circuit Breakers

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	H: 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 Miniature Circuit Breakers

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°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	25mm ²	16mm ²	25mm ²
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, earthleakage.

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

Features

- ◆ Multi-selection: Electronic or electromagnetic type.
- ◆ High performance: up to 6kA breaking capacity
- ◆ Standard open and close state indication

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: 63A 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: 16mm ² Rated current 40-63A: 25mm ²	25mm ² (< 40A) 35mm ² (≥ 40A)	16mm ²
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

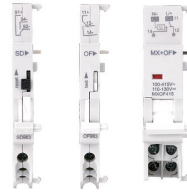
Range name	Frame	Number of poles	Rated current
HDG9	125	3	32
HDG9	125	1: 1P 2: 2P 3: 3P 4: 4P	32: 32A 63: 63A 100: 100A 125: 125A

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	50mm ²
Maximum torque	3.5N.m
Installation	35mm DIN rail
Line incoming type	Top or bottom

Power 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	1-2.5mm ²	1-2.5mm ²	1-2.5mm ²	1-2.5mm ²	1-2.5mm ²	1-2.5mm ²
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



Power Distribution

HDBK Plug in Miniature Circuit Breakers

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 I _n (A)	6, 10, 16, 20, 25, 32, 40, 50, 63
Pole(P)	1, 2, 3
Rated voltage U _e (V)	AC 240/415
Insulation voltage U _i (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)U _{imp} (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(mm ²)	25
Torque(N.m)	2
Mounting	Plug in
Connection	Top

Power 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

Range name	Material	Installation	Number of ways	Fire-retardancy
HDPZ50	P	M	4	NF
HDPZ50	Default: Metal box&Plastic cover P: Full plastic	M: Surface installation F: 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	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

Power Distribution

HDPZ50 Consumer Boxes

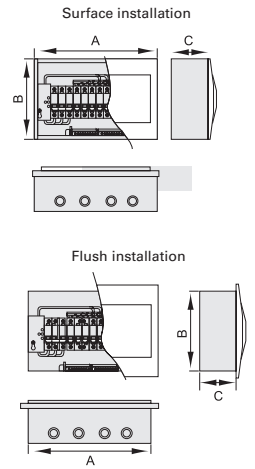
Standard: IEC/EN 60670

Overall dimensions

HDPZ50

Unit: mm

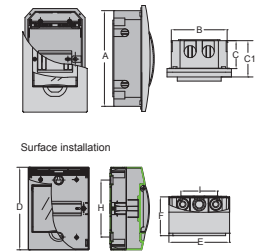
Metal Box & Plastic	Surface Installation		Flush Installation		Thickness
	A	B	A	B	C
6	171	220	163	200	90
8	207	220	199	200	90
12	279	220	272	200	90
16	351	220	343	200	90
20	423	220	413	200	90
24	303	383	282	364	90



HDPZ50P

Unit: mm

Full Plastic Loop Number	Dimension for Hidden 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	112	91	138	-
6	200	150	61	78	200	147	96	144	-
8	200	186	61	78	200	183	96	144	-
12	196	258	61	78	200	255	96	144	-
15	198	311	61	78	200	310	96	144	-
18	216	363	61	78	218	362	96	162	290
24	310.5	261	74.5	92	324	270	102	230	207
36	414.5	261	70.5	88	459	270	102	418	207



Power 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 25: 250 30: 300 40: 400 50: 500 60: 600 70: 700 80: 800 100: 1000	14: 140 16: 160 18: 180 20: 200 25: 250 30: 300	B: IP 43 Q: IP 54
	30: 200			
	40: 400			
	50: 500			
	60: 600			
	70: 700			

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

Power 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

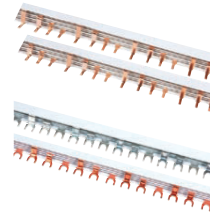
Technical parameters

Metal Enclosures	HJXF
Protection grade	IP43, IP54
Standard	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

Power Distribution

HBBT Comb Busbars

Standard: IEC/EN 60439



Range presentation

HBBT is compactible with both 3 series and 9 series

Features

- ◆ Two connection options: PIN or U type
- ◆ Two PIN thickness option: 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

Power 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				
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°C~ 60°C				
Making and breaking capacity (AC-7a)		1.05Ie				
	2P	1NO1NC, 2NO, 2NC				
	3P	3NO, 3NC, 2NO1NC, 1NO2NC				
Main contacts	4P	2NO2NC, 3NO1NC, 4NO, 4NC				
	250V	3.5	4.5	5.5	9	14
	400V	6.5	8	10	16	25
Controlled power (kW)	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 (mm ²)	Control circuit	Hard wire	1.5-2.5 mm ²			2x1.5mm ²
		Soft wire	1.5-2.5 mm ²			2x2.5mm ²
	Main circuit	Hard wire	1.5-6mm ²			6-25mm ²
		Soft wire	1-4 mm ²			6-16mm ²

Power 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 μ s 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	HDY3-20				HDY3-40				HDY3-65			
Nominal discharge current I_n (kA)	10				20				30			
Maximum discharge current I_{max} (kA)	20				40				65			
Maximum allowable backup fuse strength(A gL)	50				100				125			
Maximum continuous operating voltage U_c (V)	275	340	385	440	275	340	385	440	275	340	385	440
Protection level U_p (kV)	1.3	1.5	1.6	1.8	1.5	1.7	1.8	2.0	1.6	1.8	2.0	2.2
Leakage current 75% U_c 1mA(μ A)	≤ 20											
Response time(ns)	≤ 25											
Wave form(μ s)	8 / 20											
Product structure	Plug-in											
Protection rating	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)											

Power Distribution

HDY3 Surge Protective Devices

Standard: IEC 61643-1

Technical parameters												
Surge Protective Devices	HDY3-80				HDY3-120				HDY3-160			
Nominal discharge current I_n (kA)	40				60				80			
Maximum discharge current I_{max} (kA)	80				120				160			
Maximum allowable backup fuse strength(A gL)	160				200				250			
Maximum continuous operating voltage U_c (V)	275	340	385	440	275	340	385	440	275	340	385	440
Protection level U_p (kV)	1.8	2.0	2.2	2.2	2.2	2.4	2.5	3.5	2.3	3.7	3.7	2.8
Leakage current 75% U_c 1mA(μ A)	≤ 20											
Response time(ns)	≤ 25											
Wave form(μ s)	8 / 20											
Product structure	Plug-in											
Protection rating	I											
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)											

Power Distribution

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 HKG816B	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

Low-voltage Distribution



HDM2 Molded Case Circuit Breakers



HDM2

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

HDM3 Molded Case Circuit Breakers



HDM3

Rated current : 10-1250A
Pole: 3P/4P

HDM3E Electronic Circuit Breakers



HDM3E

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

HDM3L Earth-Leakage Circuit Breakers **NEW**



HDM3L

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

HDW3 Air Circuit Breakers



HDW3

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

ATSE Automatic transfer switch controllers **NEW**



ATSE

3 kinds of power interlock available

HDGL Switch Disconnectors **NEW**



HDGL

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

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

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	T
HDM2	125:125AF	L	010:10A 016:16A ... 100:100A 125:125A	1:1P 2:2P	None : 40°C T: 50°C

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°C / 50°C
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

3 Series Molded Case Circuit Breakers



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 1250A.

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

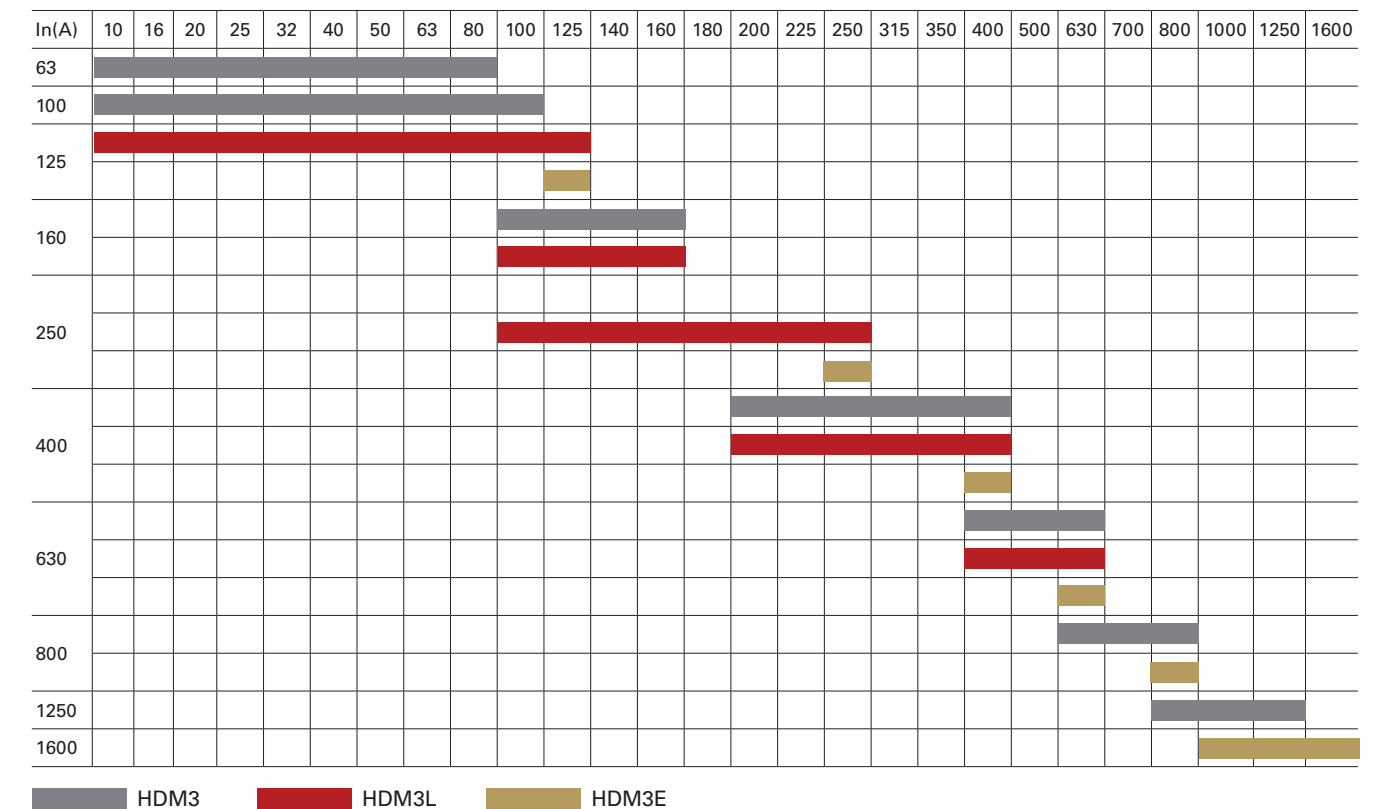
Easy Installation and Safe Operation

- ◆ 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



HDM3



HDM3E



HDM3L

3 Series Molded Case Circuit Breakers



MCCB Selection Code

Range name	Frame size	Breaking capacity	Rated current	Poles	Protection	Temperature
HDM3	250	L	250	3	3XX	T
HDM3 MCCB	63: 63A 100: 100A 160: 160A 250: 250A 400: 400A 630: 630A 800: 800A 1250: 1250A	L S F M N T	16: 16A ... 1250: 1250A	3: 3P *A: 4P *B: 4P	2XX2: Mag only motor protection 3XX: Mag-Therma line protection	Default: 40 T: 50
HDM3E Electronic type MCCB	125: 125A 250: 250A 400: 400A 630: 630A 800: 800A	M	125: 160A 250: 250A 400: 400A 630: 630A 800: 800A	3: 3P *C: 4P	3XX: Electronic tripping, line protection	Default: 40 T: 50

Range name	Frame size	Breaking capacity	Rated Current	Poles	Trip unit	MCH +XF	MX	MN	Controller	Temperature
HDM3E	16	M	16	3	F	5	5	5	L	T
HDM3E	16 : 1600A	M	10: 1000A 12: 1250A 16: 1600A	3: 3P 4: 4P	F: Fixed front connection	5: Without MCH+XF N: AC230V V: AC400V D: DC220V	5: Without Shunt release N: AC230V V: AC400V D: DC220V	5: Without undervoltage release N: AC230V V: AC400V	L: iTR326	Default: 40 T: 50

Earth leakage MCCB Selection code

Range name	Frame size	Breaking capacity	Rated current	Poles	Protection	Residual current	Time delay
HDM3L	25	S	250	3	3X0	A	1
HDM3L Earth leakage MCCB	12: 125A 16: 160A 25: 250A 40: 400A 63: 630A	S F	016: 16A ... 630: 630A	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

Note:
 A: The N phase is directly connected with a wire, and without contacts. It's always closed.
 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.

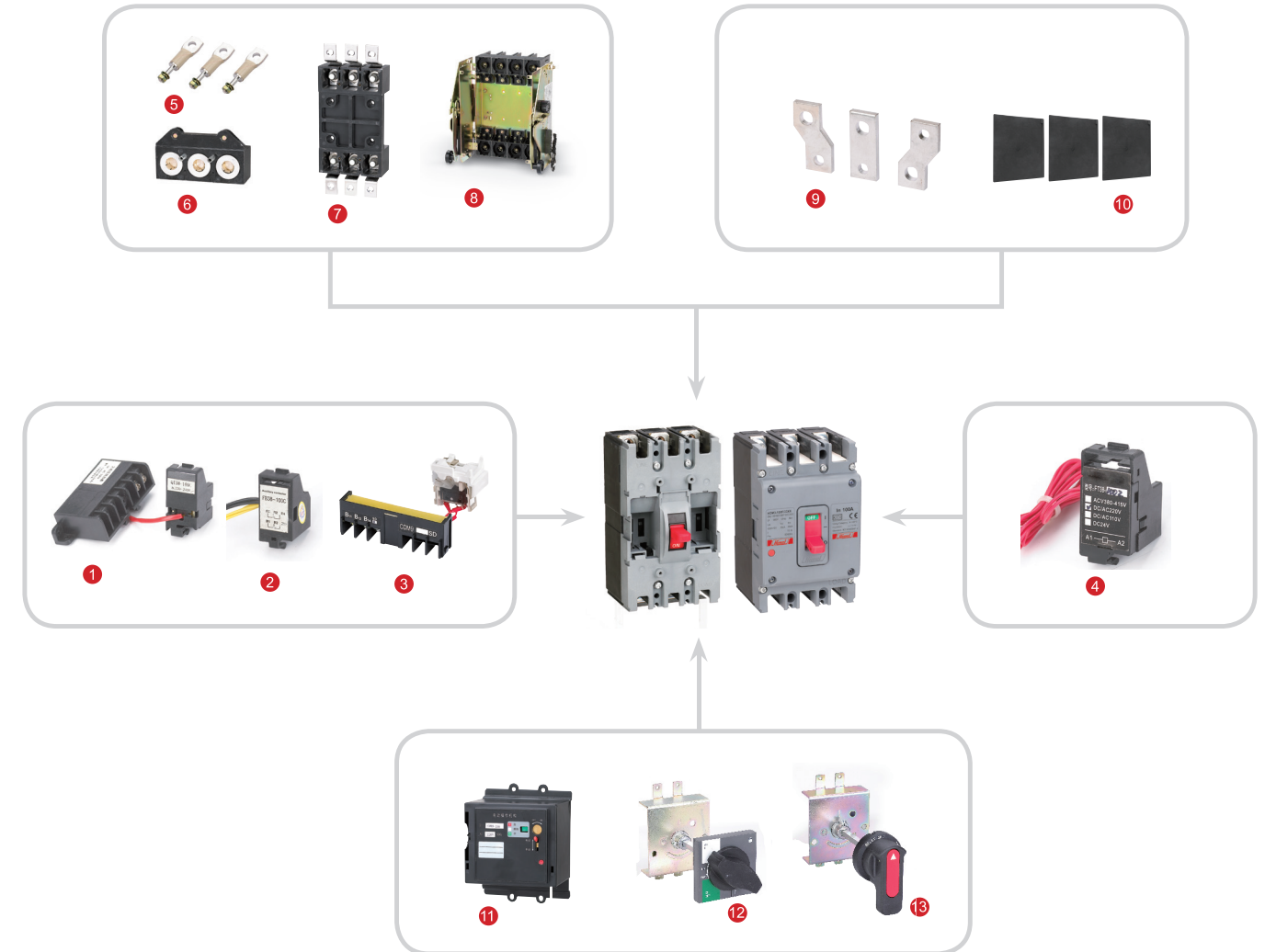
HDM3 MCCB



Overview of accessories

HDM3/3E/3L Accessories (Except HDM3E1600A)

Overview of Acc



- | | | |
|-------------------------|----------------------------|--------------------------------------|
| 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 | |
| 5 Fixed rear connection | 10 Interphase barriers | |

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

HDM3 MCCB



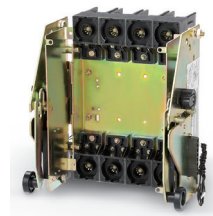
Plug-in

Frame size	Plug-in		
	Connection type	3P	4P
HDM3-63 HDM3-100L/S	Front connection	HDM363PFC3	HDM363PFC4
	Rear connection	HDM363PRC3	HDM363PRC4
HDM3-100M/F/T/N	Front connection	HDM3100FNPF3	HDM3100FNPF4
	Rear connection	HDM3100FNPR3	HDM3100FNPR4
HDM3-160/250L/S	Front connection	HDM3250SPFC3	HDM3250SPFC4
	Rear connection	HDM3250SPRC3	HDM3250SPRC4
HDM3-160/250M/F/T/N HDM3E-125/250	Front connection	HDM3E125250PFC3	HDM3E125250PFC4
	Rear connection	HDM3E125250PRC3	HDM3E125250PRC4
HDM3-400 HDM3E-400	Rear connection	HDM3E400PRC3	HDM3E400PRC4
	Rear connection	HDM3E630PRC3	HDM3E630PRC4
HDM3-800	Rear connection	HDM3800PRC3	HDM3800PRC4
	Rear connection	HDM3E800PRC3	HDM3E800PRC4



Draw-out

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



Draw-out

Frame size	Motor		
	AC230V	AC400V	DC220V
HDM3-63 HDM3-100L/S	HDM363D1A2	HDM363D1A3	HDM363D2
	HDM3100FND1A2	HDM3100FND1A3	HDM3100FND2
HDM3-160/250L/S	HDM3160SD1A2	HDM3160SD1A3	HDM3160SD2
	HDM3160FD1A2	HDM3160FD1A3	HDM3160FD2
HDM3E-125/250	HDM3E125250D2	HDM3E125250D4	—
	HDM3400D1A2	HDM3400D1A3	HDM3400D2
HDM3-800	HDM3800D1A2	HDM3800D1A3	—
	HDM3E800D2	HDM3E800D4	—
HDM3-1250	HDM31250CD1A2	HDM31250CD1A3	—



HDM3 MCCB



Rotation Handle

Frame size	Rotation Handle		
	Handle shape	Direct	Extended (Default 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	HDM3160H1	HDM3160HL1
	Square	HDM3160H2	HDM3160HL2
HDM3-400/630	Round	HDM3400H1	HDM3400HL1
	Square	HDM3400H2	HDM3400HL2
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:

If you need 175mm rotation handle, please addition order below reference no.

Under 250A: HDM3E-8X8ROD175

Over 250A: HDM3E-10X10ROD175

If you need 200mm rotation handle, please addition order below reference no.

Under 250A: HDM3-8x8ROD200

Over 250A: HDM3-10x10ROD200

Rear connection

Frame size	Rear connection	
	3P(6pcs)	4P(8pcs)
HDM3-63 HDM3-100L/S	HDM363RC3	HDM363RC4
	HDM3100FNRC3	HDM3100FNRC4
HDM3-160/250 HDM3L-160/250 HDM3E-125/250	HDM3160RC3	HDM3160RC4
	HDM3400RC3	HDM3400RC4
HDM3-800	HDM3800RC3	HDM3800RC4
	HDM3L630RC3	HDM3L630RC4

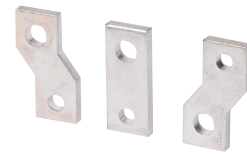


HDM3 MCCB



Expanding terminal

Frame size	Expanding terminal	
	3P(3pcs)	4P(4pcs)
HDM3-63 HDM3-100L/S	HDM363C3	HDM363C4
HDM3-100M/F/T/N HDM3L-125	HDM3100FNC3	HDM3100FNC4
HDM3-160/250 HDM3L-160/250 HDM3E-125/250	HDM3160C3	HDM3160C4
HDM3-400 HDM3L-400 HDM3E-400	HDM3400C3	HDM3400C4
HDM3-630 HDM3L-630 HDM3E-630	HDM3630C3	HDM3630C4
HDM3-800 HDM3L-630 HDM3E-800	HDM3E800C3	HDM3E800C4



Interphase barriers

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	HDM3160SIB3	HDM3160SIB4
HDM3-160/250M/F/T/N HDM3L-160/250 HDM3E-125/250	HDM3160FIB3	HDM3160FIB4
HDM3-400 HDM3L-400 HDM3E-400	HDM3400IB3	HDM3400IB4
HDM3-630 HDM3L-630 HDM3E-630	HDM3630IB3	HDM3630IB4
HDM3-800 HDM3E-800	HDM3800IB3	HDM3800IB4
HDM3L-630	HDM3L630IB3	HDM3L630IB4



HDM3 MCCB



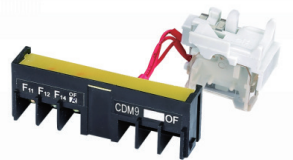
Auxiliary contact with wire

Frame size	Auxiliary contact with wire		
	Contact	Left	Right
HDM3-63 HDM3-100L/S	1NC+1NO	HDM363OF11K1BL	HDM363OF11K1BR
HDM3-100M/F/T/N HDM3L-125	1NC+1NO	HDM3100FNOF11K1B	HDM3100FNOF11K1BR
HDM3-160/250 HDM3E-125/250	1NC+1NO 2NC+2NO	HDM3E125250OF11K1BL HDM3E125250OF12K2BL	HDM3E125250OF11K1BR HDM3E125250OF12K2BR
HDM3L-160/250	1NC+1NO	HDM3E125250OF11K1BL	—
HDM3-400/630 HDM3E-400/630/800	1NC+1NO 2NC+2NO	HDM3E400630OF11K1BL HDM3E400630OF12K2BL	HDM3E400630OF11K1BR HDM3E400630OF12K2BR
HDM3L-400	1NC+1NO 2NC+2NO	HDM3E400630OF11K1BL HDM3E400630OF12K2BL	—
HDM3-800	1NC+1NO	HDM3800OF11K1BL	HDM3800OF11K1BR
HDM3L-630	1NC+1NO	HDM3800OF11K1BL	—



Auxiliary contact with Terminal

Frame size	Auxiliary contact with Terminal			
	Contact	Left	Right 3P	Right 4P
HDM3-63 HDM3-100L/S	1NC+1NO	HDM363OF21K1BL	HDM363OF21K1BR3P	HDM363OF21K1BR4P
HDM3-100M/F/T/N HDM3L-125	1NC+1NO	HDM3100FNOF21K1B	HDM3100FOF21K1BR3	HDM3100FOF21K1BR4
HDM3-160/250 HDM3E-125/250	1NC+1NO 2NC+2NO	HDM3E125250OF21K1BL HDM3E125250OF22K2BL	HDM3E250OF21K1BR3 HDM3E250OF22K2BR3	HDM3E250OF21K1BR4 HDM3E250OF22K2BR4
HDM3L-160/250	1NC+1NO	HDM3E125250OF21K1BL	—	—
HDM3-400/630 HDM3E-400/630/800	1NC+1NO 2NC+2NO	—	HDM3E630OF21K1BR3 HDM3E630OF22K2BR3	HDM3E630OF21K1BR4 HDM3E630OF22K2BR4
HDM3-800	1NC+1NO	HDM3800OF21K1BL	HDM3800OF21K1BR3	HDM3800OF21K1BR4
HDM3L-630	1NC+1NO	HDM3800OF21K1BL	—	—



Alarm contact with wiring

Frame size	Alarm contact with wiring	
	Left	Right
HDM3-63 HDM3-100L/S	HDM363AL1L	HDM363AL1R
HDM3-100M/F/T/N HDM3L-125	HDM3100FNAL1L	HDM3100FNAL1R
HDM3-160/250 HDM3E-125/250	HDM3160AL1L	HDM3160AL1R
HDM3L-160/250	HDM3160AL1L	—
HDM3-400/630 HDM3E-400/630/800	HDM3E400630AL1L	HDM3E400630AL1R
HDM3L-400	HDM3E400630AL1L	—
HDM3-800 HDM3L-630	HDM3800AL1L	—

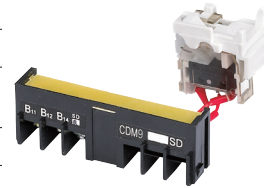


HDM3 MCCB



Alarm contact with Terminal

Frame size	Alarm contact with Terminal		
	Left	Right 3P	Right 4P
HDM3-63 HDM3-100L/S	HDM363AL2L	HDM363AL2R3P	HDM363AL2R4P
HDM3-100M/F/T/N	HDM3100FNAL2L	HDM3100FNAL2R3P	HDM3100FNAL2R4P
HDM3L-125	HDM3100FNAL2L	—	—
HDM3-160/250 HDM3E-125/250	HDM3160AL2L	HDM3160AL2R3P	HDM3160AL2R4P
HDM3L-160/250	HDM3160AL2L	—	—
HDM3-400/630 HDM3E-400/630/800	HDM3E400630AL2L	HDM3E400630AL2R3P	HDM3E400630AL2R4P
HDM3L-400	HDM3E400630AL2L	—	—
HDM3-800 HDM3L-630	HDM3800AL2L	—	—



Auxiliary Alarm with wiring

Frame size	Auxiliary Alarm with wiring	
	Left	Right
HDM3-63 HDM3-100L/S	HDM363OFAL1L	HDM363OFAL1R
HDM3-100M/F/T/N	HDM3100FNOFAL1L	HDM3100FNOFAL1R
HDM3L-125	HDM3100FNOFAL1L	—
HDM3-160/250 HDM3E-125/250	HDM3160OFAL1L	HDM3160OFAL1R
HDM3L-160/250	HDM3160OFAL1L	—
HDM3-400/630 HDM3E-400/630/800	HDM3E400630OFAL1L	HDM3E400630OFAL1R
HDM3L-400	HDM3E400630OFAL1L	—



Auxiliary Alarm with Terminal

Frame size	Auxiliary Alarm with Terminal		
	Left	Right 3P	Right 4P
HDM3-63 HDM3-100L/S	HDM363OFAL2L	HDM363OFAL2R3P	HDM363OFAL2R4P
HDM3-100M/F/T/N	HDM3100FNOFAL2L	HDM3100FNOFAL2R3	HDM3100FNOFAL2R4
HDM3L-125	HDM3100FNOFAL2L	—	—
HDM3-160/250 HDM3E-125/250	HDM3160OFAL2L	HDM3160OFAL2R3P	HDM3160OFAL2R4P
HDM3L-160/250	HDM3160OFAL2L	—	—
HDM3-400/630 HDM3E-400/630/800	HDM3E400630OFAL2L	HDM3E400630OFAL2R3P	HDM3E400630OFAL2R4P
HDM3L-400	HDM3E400630OFAL2L	—	—
HDM3-800 HDM3L-630	HDM3800OFAL2L	—	—



HDM3 MCCB



Shunt release with wiring

Frame size	Shunt release with wiring		
	Voltage	Left	Right
HDM3-63 HDM3-100L/S	AC230V	HDM363MX1A2L	HDM363MX1A2
	AC400V	—	HDM363MX1A3
	DC24V	—	HDM363MX1D2
HDM3-100M/F/T/N	AC230V	HDM3100FNMX1A2L	HDM3100FNMX1A2
	AC400V	HDM3100FNMX1A3L	HDM3100FNMX1A3
	DC24V	HDM3100FNMX1D2L	HDM3100FNMX1D2
HDM3L-125	AC230V	HDM3100FNMX1A2L	—
	AC400V	HDM3100FNMX1A3L	—
	DC24V	HDM3100FNMX1D2L	—
HDM3-160/250 HDM3L-160/250 HDM3E-125/250	AC230V	HDM3160MX1A2L	—
	AC400V	HDM3160MX1A3L	—
	DC24V	HDM3250MX1D2L	—
	DC110V	HDM3E125250MX1D11	—
	DC220V	HDM3E125250MX1D22	—
	AC230V	HDM3400MX1A2L	HDM3400MX1A2
HDM3-400/630 HDM3E-400/630/800	AC400V	HDM3400MX1A3L	HDM3630MX1A3
	DC24V	HDM3400MX1D2L	HDM3630MX1D2
	DC110V	HDM3E400630MX1D11	—
	DC220V	HDM3E400630MX1D22	—
HDM3L-400	AC230V	HDM3400MX1A2L	—
	AC400V	HDM3400MX1A3L	—
	DC24V	HDM3400MX1D2L	—
	DC110V	HDM3E400630MX1D11	—
HDM3-800	DC220V	HDM3E400630MX1D22	—
	AC230V	HDM3800MX1A2L	HDM3800MX1A2R
HDM3-800	AC400V	HDM3800MX1A3L	HDM3800MX1A3R
	DC24V	HDM3800MX1D2L	HDM3800MX1D2R
HDM3L-630	AC230V	HDM3800MX1A2L	—
	AC400V	HDM3800MX1A3L	—
HDM3L-630	DC24V	HDM3800MX1D2L	—



Under voltage release with Terminal

?	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

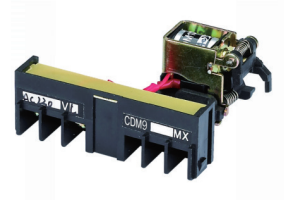


HDM3 MCCB



Shunt release with Terminal

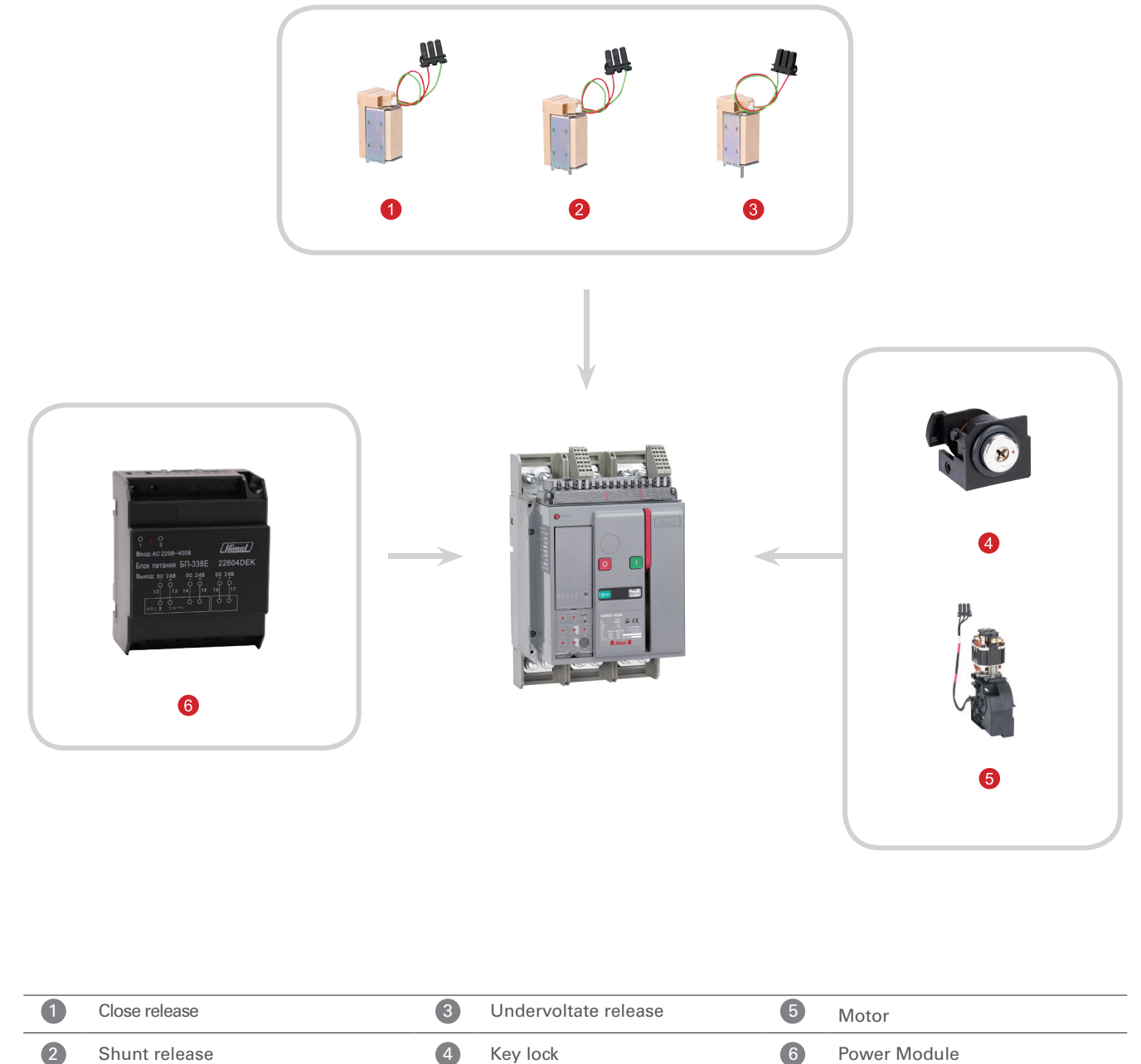
Frame size	Shunt release with Terminal			
	Voltage	Left	Right 3P	Right 4P
HDM3-63 HDM3-100L/S	AC230V	—	HDM363MX2A23P	HDM363MX2A24P
	AC400V	—	HDM363MX2A33P	HDM363MX2A34P
	DC24V	—	HDM363MX2D23P	HDM363MX2D24P
HDM3-100M/F/T/N	AC230V	HDM3100FNMX2A2L	HDM3100FNMX2A23P	HDM3100FNMX2A24P
	AC400V	HDM3100FNMX2A3L	HDM3100FNMX2A33P	HDM3100FNMX2A34P
	DC24V	HDM3100FNMX2D2L	HDM3100FNMX2D23P	HDM3100FNMX2D24P
HDM3L-125	AC230V	HDM3100FNMX2A2L	—	—
	AC400V	HDM3100FNMX2A3L	—	—
	DC24V	HDM3100FNMX2D2L	—	—
HDM3-160/250 HDM3E-125/250	AC230V	HDM3160MX2A2L	HDM3250MX2A23P	HDM3250MX2A24P
	AC400V	HDM3250MX2A3L	HDM3160MX2A33P	—
	DC110V	—	HDM3E125250MX2D113P	HDM3E125250MX2D114P
	DC220V	—	HDM3E125250MX2D223P	HDM3E125250MX2D224P
HDM3L-160/250	AC230V	HDM3160MX2A2L	—	—
	AC400V	HDM3250MX2A3L	—	—
	DC24V	HDM3250MX2D2L	—	—
HDM3-400/630 HDM3E-400/630/800	AC230V	HDM3400MX2A2L	HDM3400MX2A23P	HDM3400MX2A24P
	AC400V	HDM3400MX2A3L	HDM3400MX2A33P	HDM3400MX2A34P
	DC24V	HDM3400MX2D2L	HDM3400MX2D23P	HDM3400MX2D24P
	DC110V	—	HDM3E400630MX2D113P	HDM3E400630MX2D114P
HDM3L-400	AC230V	HDM3400MX2A2L	—	—
	AC400V	HDM3400MX2A3L	—	—
	DC24V	HDM3400MX2D2L	—	—
HDM3-800	AC230V	HDM3800MX2A2L	HDM3800MX2A2R3P	HDM3800MX2A2R4P
	AC400V	HDM3800MX2A3L	HDM3800MX2A3R3P	HDM3800MX2A3R4P
	DC24V	HDM3800MX2D2L	HDM3800MX2D2R3P	HDM3800MX2D2R4P
HDM3L-630	AC230V	HDM3800MX2A2L	—	—
	AC400V	HDM3800MX2A3L	—	—
	DC24V	HDM3800MX2D2L	—	—
HDM3-1250	AC230V	—	HDM31250MX2A2R	—



HDM3 MCCB



HDM3E 1600A Accessories



HDM3 MCCB



HDM3E-1600A accessories

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



HDM3 MCCB



Technical parameters		HDM3-63	HDM3-100	HDM3-160	HDM3-250	HDM3-400	HDM3-630	HDM3-800	HDM3-1250										
MCCB																			
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	10-100	40-100	100-160	100-250	200-400	400-630	630-800	800-1250									
Number of poles		3/4																	
Use Category		A																	
Breaking capacity	Breaking Class	L	S	L	T	N	L	T	N	L	T	N	T	N	M	F	N		
	Icu(kA) 400/415V AC	18	25	18	30	50	21	36	60	21	36	60	39	70	39	70	40	70	85
	Ics(kA) 400/415V AC	18	18	18	30	30	21	36	36	21	36	36	39	39	39	39	40	40	45
Mechanical life	with maintenance	20000		20000		20000		20000		20000		20000		20000		2500		2500	
	without maintenance	10000		10000		10000		10000		5000		5000		1250		1250			
Electrical life	AC 400/415V	4000		4000		4000		4000		2000		2000		500		500			
Power distribution protection	Thermal magnetic trip unit	■		■		■		■		■		■		■		■		■	
	Motor protection	■		■		■		■		■		■		-		-			
Isolation function		■		■		■		■		■		■		■		■		■	
Certification		TUV, CE	TUV, CE	KEMA, CE	KEMA, CE	KEMA, CE	KEMA, CE	KEMA, CE	KEMA, CE	KEMA, CE	KEMA, CE	KEMA, CE	KEMA, CE	KEMA, CE	KEMA, CE	KEMA, CE	KEMA, CE	KEMA, CE	

Technical parameters		HDM3E-125	HDM3E-250	HDM3E-400	HDM3E-630	HDM3E-800	HDM3E-1600
Electronic type MCCB							
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					
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	with maintenance	10000	10000	7000	7000	5000	1500
	without maintenance	7000	7000	4000	4000	2500	500
Electrical life	AC 400/415V	1000	1000	1000	1000	500	500
Power distribution protection	Electronic trip unit	■	■	■	■	■	■
Isolation function		■	■	■	■	■	■
Certification		TUV, CE	TUV, CE	TUV, CE	TUV, CE	TUV, CE	TUV, CE

HDM3 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	1000
Rated impulse withstand voltage Uimp(kV)		8	8	8	8	12
Rated frequency(Hz)		50/60				
Rated current In(A)		16-125	100-160	100-250	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	with maintenance	20000	20000	20000	20000	10000
	without maintenance	10000	10000	10000	5000	5000
Electrical life	AC 400/415V	4000	4000	4000	2000	2000
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
	Delay type	100, 300, 500	100, 300, 500	100, 300, 500	100, 300, 500	300, 500, 1000
Rated residual non-tripping current IΔno (mA)		50% IΔn				
Non-delay type: breaking time (s)		≤ 0.2				
Fixed delay: 2IΔn 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: 2IΔn 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	0.1/0.3/0.5
		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

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

Features

- ◆ 5 frame sizes: 1600, 2000, 3200, 4000, 6300A
- ◆ Rated current In (A): 400 - 6300
- ◆ Rated voltage AC Ue (V): 400/415, 660/690
- ◆ Poles: 3 & 4
- ◆ 3 type of intelligent controllers

Online content



HDW3

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 (only 3P)	
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									

HDW3 Air Circuit Breakers

Standard: IEC/EN IEC60947-2



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)	

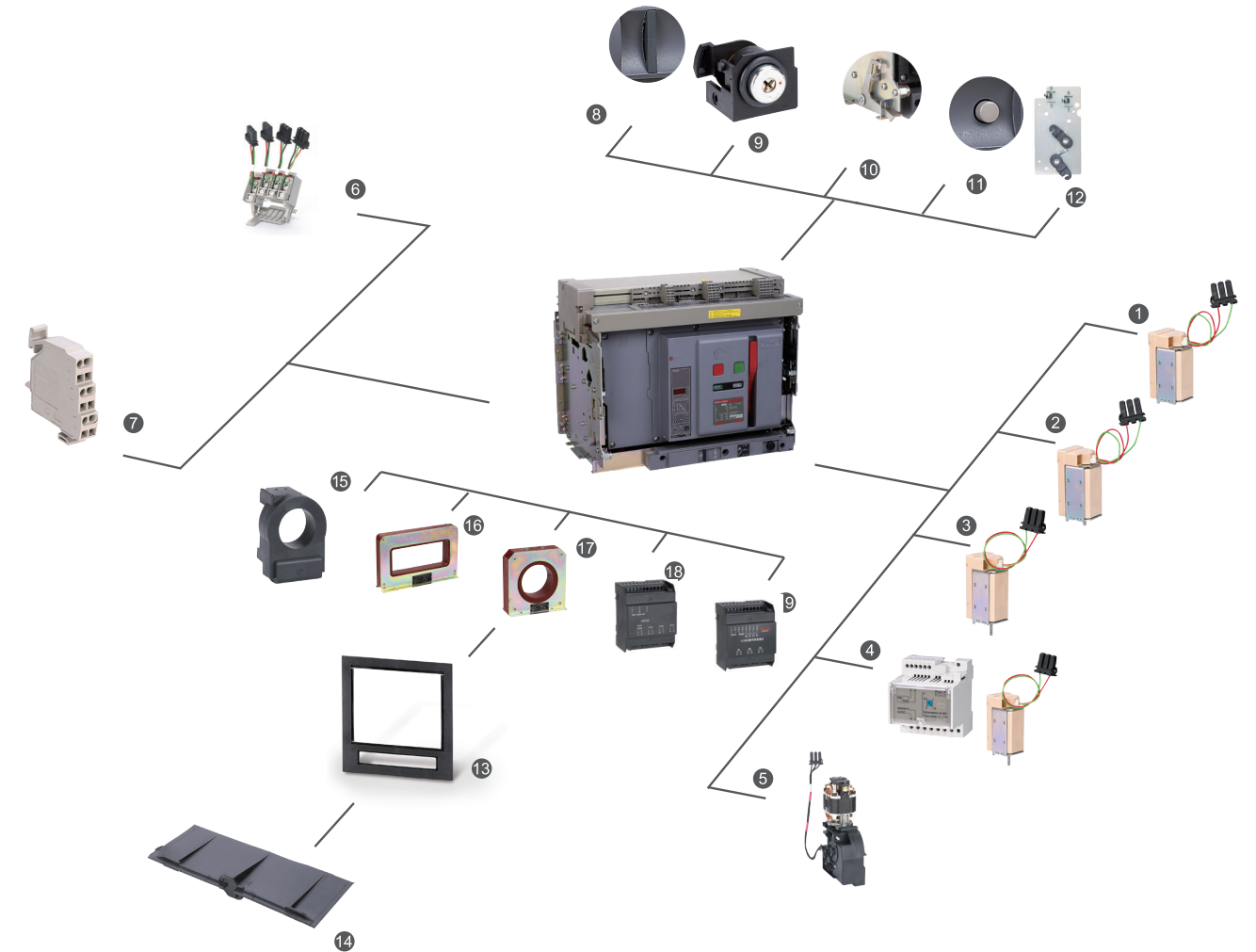
Example: HDW316M163FH5554M-HDW3-1600M 1600A 3P Fixed breaker, M type controller, without accessory.

HDW3 Air Circuit Breakers

Standard: IEC/EN IEC60947-2



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	

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.

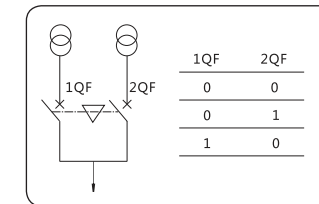
HDW3 ATSE can realize electrical parameters measurement and automatic control according to settings strategy reducing human operation errors.

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,

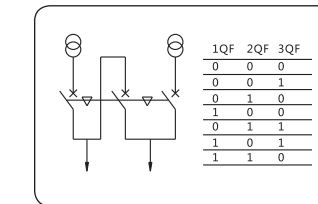
Two Breaker Interlock C2

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.



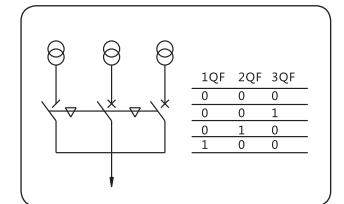
Three Breaker Interlock C3

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.

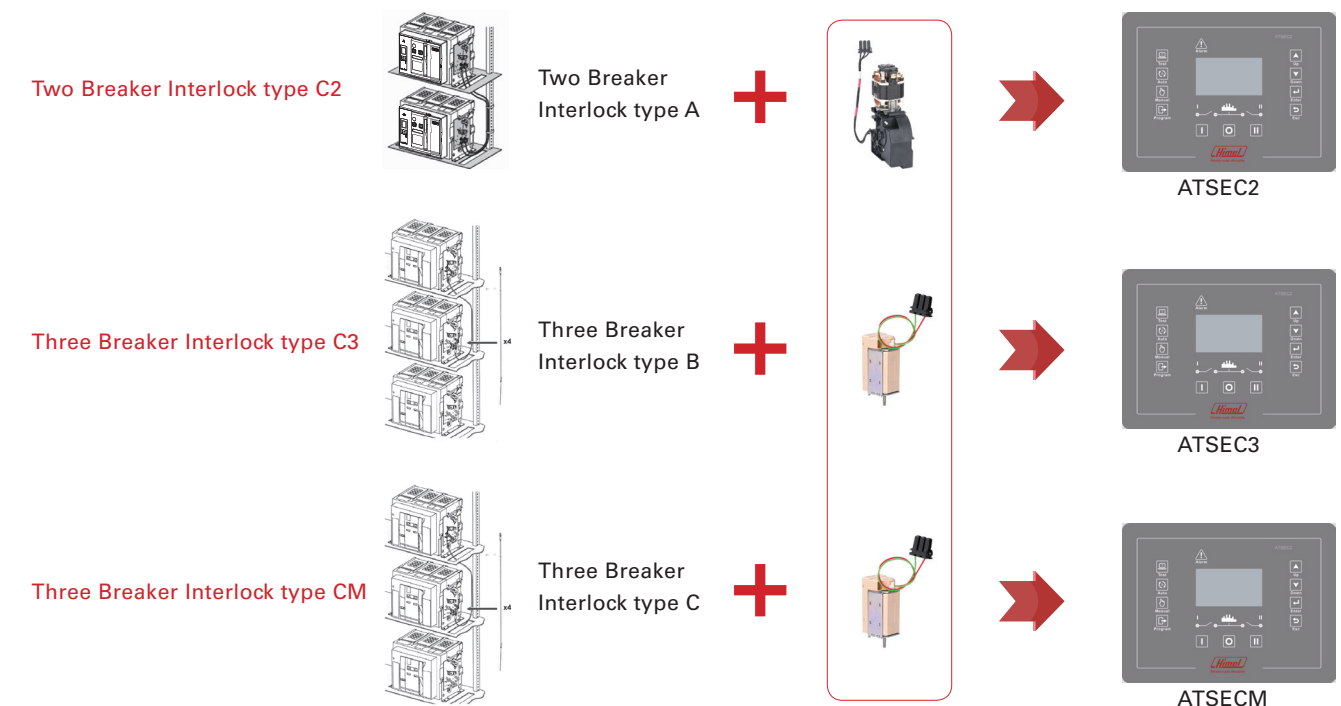


Three Breaker Interlock type CM

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.

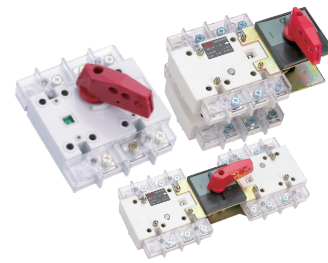


TS controller + ACB + Mechanical interlock



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 withstand 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

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.
 • HRT16: Knife-shape Contact Fuses
 • HRT18: Cylinder Cap-shape Fuses

Features

- ◆ For HRT16 series:
 - 26 ratings from 2A to 630A
 - 5 fuse models and 4 fuse holder models according to dimensions
- ◆ For HRT18 series:
 - 13 ratings from 2A to 63A
 - 2 kinds of materials for fuse holders: Resin and Nylon Indicator can be an option for customers

Selection code

HRT16

Range name	Fuse-link type	Rated operating current
HRT16	000S	2
HRT16: HRT16 Fuse	000S: 00C 00: 00 1: 1 2: 2 3: 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

Range name	Fuse-link type	Rated operating current
HRT18	1038	2
HRT18: HRT18 Fuse	1038: maximum rating is 32A 1451: maximum rating is 63A	2: 2A 4: 4A ... 63: 63A

Range name	Rated current	Pole number	Indicator	Material
HRT18	32Z	2	X	B
HRT18: HRT18 Fuse Holder	32Z: 32A holder 63Z: 63A holder	Default: 1P 2: 2P 3: 3P	Default: Without indicator X: With indicator	Default: Nylon (only available for 32A holder) B: Resin

Online content



HRT16



HRT18



Power Factor Correction



HDCAP3 Low-voltage Capacitors



HDCAP3

Rated voltage: AC 400V, 450V, 525V
 Rated capacity: 1-30kvar
 Connection type: three-phase
 Rated frequency: 50Hz

HKSG Three-phase Serial Reactors



HKSG

Rated voltage: AC 450V, 480V, 525V
 Detuning: 6%, 7%, 12%, 14%
 Connection type: three-phase

HBSM Low-voltage Capacitors



HBSM

Rated voltage: AC 230V, 250V, 280V, 400V, 415V, 440V, 450V, 480V, 525V, 660V
 Rated capacity: 0.5~60kvar
 Single-phase, three-phase, three-phase four-wire
 Rated frequency: 50Hz

HDC19s Capacitor Switching Contactors



HDC19s

Rated voltage: AC 380/400V
 Frame current: 25A, 32A, 43A, 63A, 95A, 115A
 Pole: 3P
 Rated frequency: 50Hz, 50/60Hz

HJKL Reactive Power Compensation Controllers



HJKL

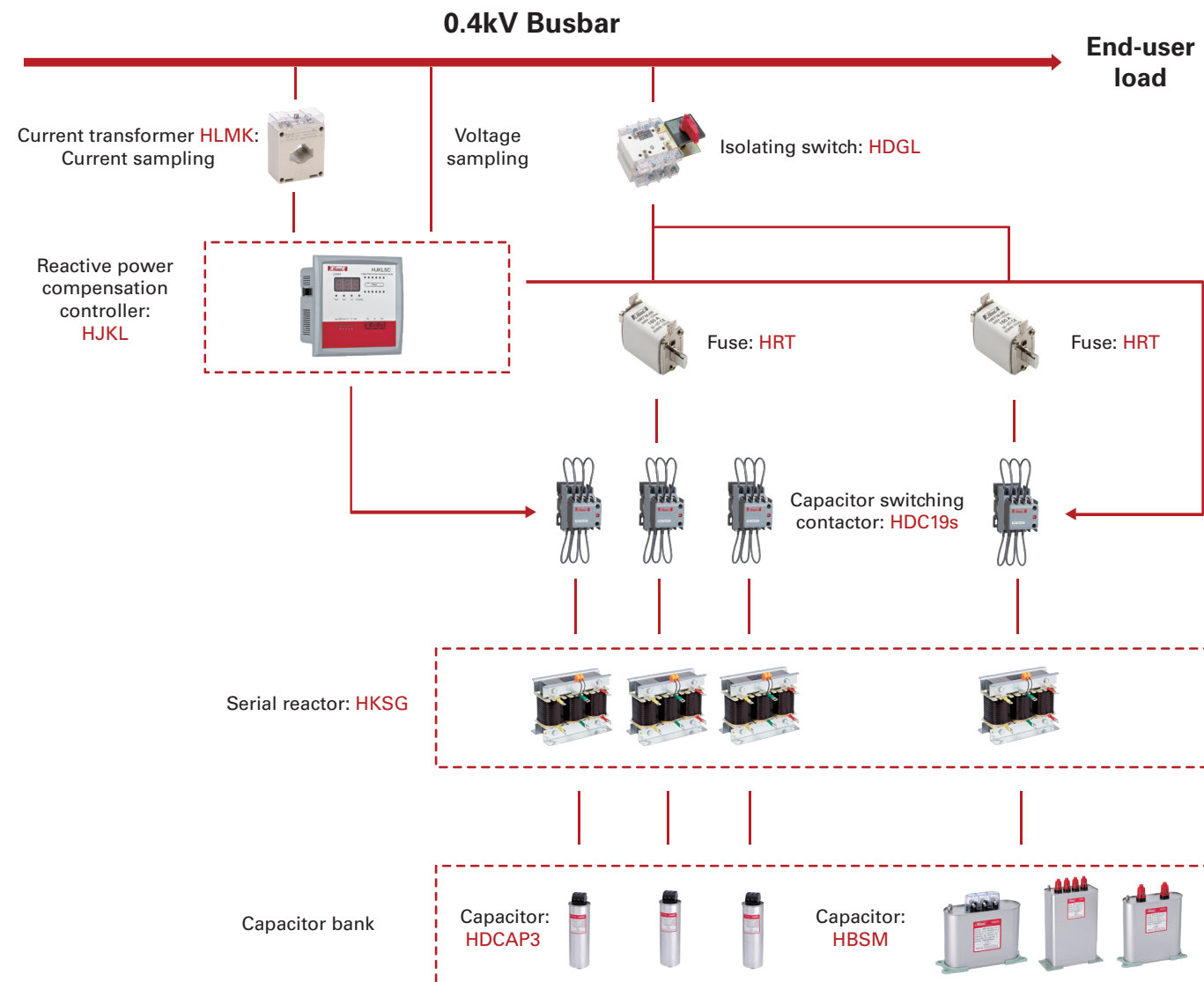
Sampling voltage: AC 380V/220V±15%
 Sampling current: n/5A (I_s≤5A)
 Output loops: 4, 6, 8, 10, 12 loops

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 Solution

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

Reactive Power Compensation Solution



System solution for reactive power compensation cabinet.

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 electricity 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 electricity 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, 690V, 760V
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

Power factor correction

HBSM Low-voltage Capacitors

Standard: IEC60831

HBSM model selection

Voltage (kV)	Single phase			Three-phase			Three-phase four-wire		
	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			

Power factor correction

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

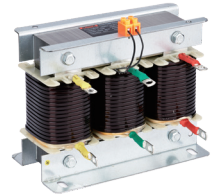
Range name	Output loops	Circuit type	Enclosure material
HJKL2CM	4	DC	S
HJKL2CM: 220V, for HJKL2C HJKL5CQ: 380V, for HJKL5C	4: 4 loops 6: 6 loops 8: 8 loops 10: 10 loops 12: 12 loops	Default: AC circuit DC: DC 12V	S: Molded case

Technical parameters		
Power Factor Correction Controllers	HJKL	
Category	Parameter value	Default Value
Sampling voltage	380V(HJKL5C)/ 220V(HJKL2C)±15%	
Sampling current	n/5A (I _s ≤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

HKSG Detuned Reactors

Standard: IEC60289



Range presentation

HKSG is Himel range of Detuned Reactors, applied to avoid excessive amplification of power grid harmonics and resonance resulting from the connection of capacitor banks. HKSG with prolong the service time of capacitors.

Features

- ◆ High temperature tolerance
- ◆ Low noise during operation

Online content



HKSG

Selection code

Range name	Rated capacity	Rated voltage	Reactance ratio
HKSG	1P0	G045	H6
HKSG: Copper windings HKSSL: Aluminum windings	P6: 0.6kvar P7: 0.7kvar 1P0: 1kvar ... 9P8: 9.8kvar	G045: 450V G048: 480V ... G052: 525V	H6: 6% H7: 7% ... H14: 14%

*Customization is available for all request.

Technical parameters	
Detuned Reactors	HKSG
Rated operating voltage(AC)	AC0.45kV, AC0.525kV, AC0.48kV (others can be customized)
Reactance ratio	6%, 7%, 12%, 14%
Phase	Three-phase
Rated frequency	50/60Hz
Withstand voltage grade	3000V / min
Overload ability	≤1.35
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°C ~+50°C
Standard	IEC 60289

Power factor correction

HDC19s Capacitor Switching Contactors

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



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 selected for different applications
- ◆ Manufactured on automated production line for better reliability.

Online content



HDC19s

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		HDC19s-25	HDC19s-32	HDC19s-43	HDC19s-63	HDC19s-95	HDC19s-115
Capacitor Switching Contactors							
Main circuit							
Rated operating voltage (Ue)	V	380/400					
Rated insulation voltage (Ui)	V	690					
Rated current of controlled capacitor	AC-6b 380V	17	23	29	43	63	87
Rated capacity of controlled capacitor (Qn: kvar)	Rated operating voltage of capacitor	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	24,36,48,110,127,220/230,240,380/400,415,400					
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

HDR3s Thermal Overload Relays



HDR3s

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

HJX2 4P AC Contactors



HJX2 4P

Rated current: 9-95A
Pole: 4P

HDC17K Miniature AC Contactors



HDC17K

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

HDC6 AC Contactors



HDC6

Rated current: 6-95A,115-630A
Pole: 3P

HDR6 Thermal Overload Relays



HDR6

Frame rated current: 18, 32, 95, 185, 630A
Setting Current: 0.1-0.15A...460-630A

HJX2-F 4P AC Contactors



HJX2-F 4P

Rated current: 115-800A
Pole: 4P

HDZ3 Contactor Relays



HDZ3

Pole: 3P

Motor Management

HDZ9 Miniature Relays

NEW



HDZ9

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

HJSZ3 Electronic Time Relays



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 Phase Failure and Sequence Protection Relays



HXJ9

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

HDP6 Motor Circuit Breakers



HDP6

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

HDS3 Magnetic Starters

NEW



HDS3

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

BASIC Series Variable Speed Drives

NEW



BASIC

Small & Simple General-Purpose Applications

EXPERT Series Variable Speed Drives



EXPERT

Pump, Fan & Advanced General-Purpose Applications

SMART Solar Variable Speed Drives

NEW



SMART

Solar Pump Applications

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 95A.

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
09-95A	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	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

Range name	Current specification	Reversible	Auxiliary contact	Coil voltage	Coil frequency
HDC3	120	N	22	M	7
120-630A	120: 120A 160: 160A 185: 185A 225: 225A 265: 265A 330: 330A 400: 400A 500: 500A 630: 630A	Default: AC Contact	22: 2NO+2NC	F: 110V S: 127V M: 220V Q: 380V EHE7: 48-130V KUE7: 100-250V URE7: 250-500V	5: 50Hz 7: 50/60Hz

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)	380/400V	A	25	25	25	32	40	50	50	60	80	80	125	125
Rated operating current (Ie)		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											
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							
	Holdin	VA	6-9.5	6-9.5	6-9.5	15-20	15-20							
Main circuit terminal wiring capability														
Soft wire	1 wire	mm ²	1...4			1.5...6			2.5..25			4...50		
	2 wire	mm ²	1...4			1.5...6			2.5..16			4...25		
Hard wire	1 wire	mm ²	1...4			1.5...6		1.5...10		2.5..25			4...50	
	2 wire	mm ²	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



Technical parameters											
AC Contactors			HDC3								
Contactor model			120	160	185	225	265	330	400	500	630
Main circuit characteristics											
Conversional thermal current(Ith)	380/400V	A	200	200	275	275	315	380	450	630	700
Rated operating current (Ie)		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 endurance		10k times	120		110		90		80		
Electrical endurance	AC-3	10k times	1200				600				
Operation frequency		Times/hour	1000				600				
Number of poles			3P								
Rated insulation voltage(Ui)		V	1000								
Maximum rated operating voltage(Ue)		V	690								
Coil											
Rated control circuit voltage(Us)	50Hz	V	110V,127V,220V,380V								
	50/60Hz	V	48-130V, 100-250V, 250-500V (AC-DC universal)								
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				
	Holdin	VA	78		18.5		18.5				
Main circuit terminal wiring capability											
Soft wire	1 wire	mm ²	10~240								
	2 wire	mm ²	10~75								
Hard wire	1 wire	mm ²	10-150				50-240				
	2 wire	mm ²	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	
Main circuit characteristics														
Rated operating current (Ie)	380/400V	A	6	9	12	18	25	32	38	40	50	65	80	95
Rated operating power (Pe) AC-3		kW	2.2	4	5.5	7.5	11	15	18.5	18.5	22	30	37	45
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: HFC6-11, HFC6-20, HFC6-02												
Air delayed head		Making time delay: HFT6-20, HFT-22, HFT-24 Breaking time delay: HFT6-30, HFT-32, HFT-34												
Mechanical interlock		9-63A horizontal installation : HRF6-32 40-95A horizontal installation : HRF6-95												
Spare coil		HX3 + Contact AF + Ue + Hz EXP : HX395M7, HDC3 Coil 80-95A 220/230V 50/60Hz												
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						
Allowable control circuit voltage (Us)		HJRS1D25J			HJRS1D38J			HJRS1D93J						

HDC3 AC Contactors

Standard: IEC60947-4



Technical parameter												
AC Contactors	HDC3											
Contactor model HDC3		120	160	185	225	265	330	400	500	630		
Main circuit characteristics												
Rated operating current (Ie)	380/400V	kW	18	25	32	38	40	50	65	80	95	
Rated operating power (Pe) AC-3			55	75	90	110	132	160	220	250	355	
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: HFC6s-11										
Air delayed head		Making time delay: HFT6-20, HFT-22, HFT-24 Breaking time delay: HFT6-30, HFT-32, HFT-34										
Mechanical interlock	Consult us, available in 2021											
Spare coil		HX3 + Contact AF + Ue + Hz EXP : HX3120M, HDC3 Coil 120A 220 50Hz HX3160KUE7, HDC3 Coil 160A AC/DC100-250V 50/60Hz										
Thermal relay												
HDR3s thermal relay 120-630 A		HDR3s-185 95 : 75-95A 135: 105-135A 185: 150-185A						HDR3s-630 200F : 145-200A 250F : 180-250A 630F : 460-630A				

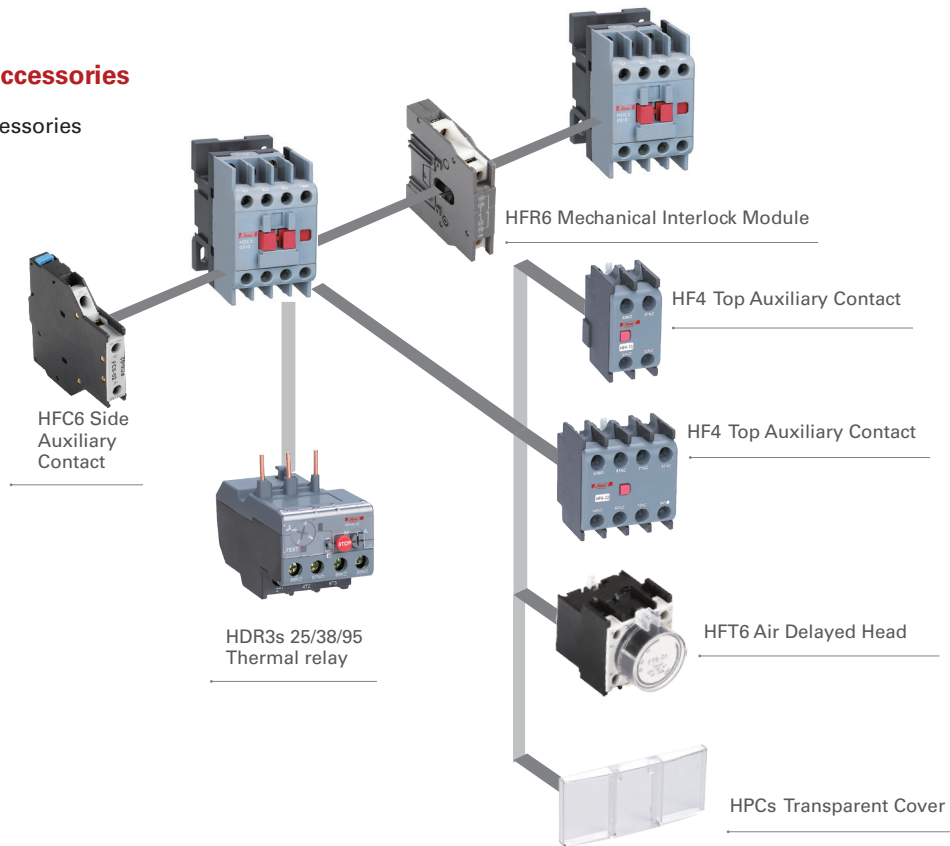
HDC3 AC Contactors

Standard: IEC60947-4

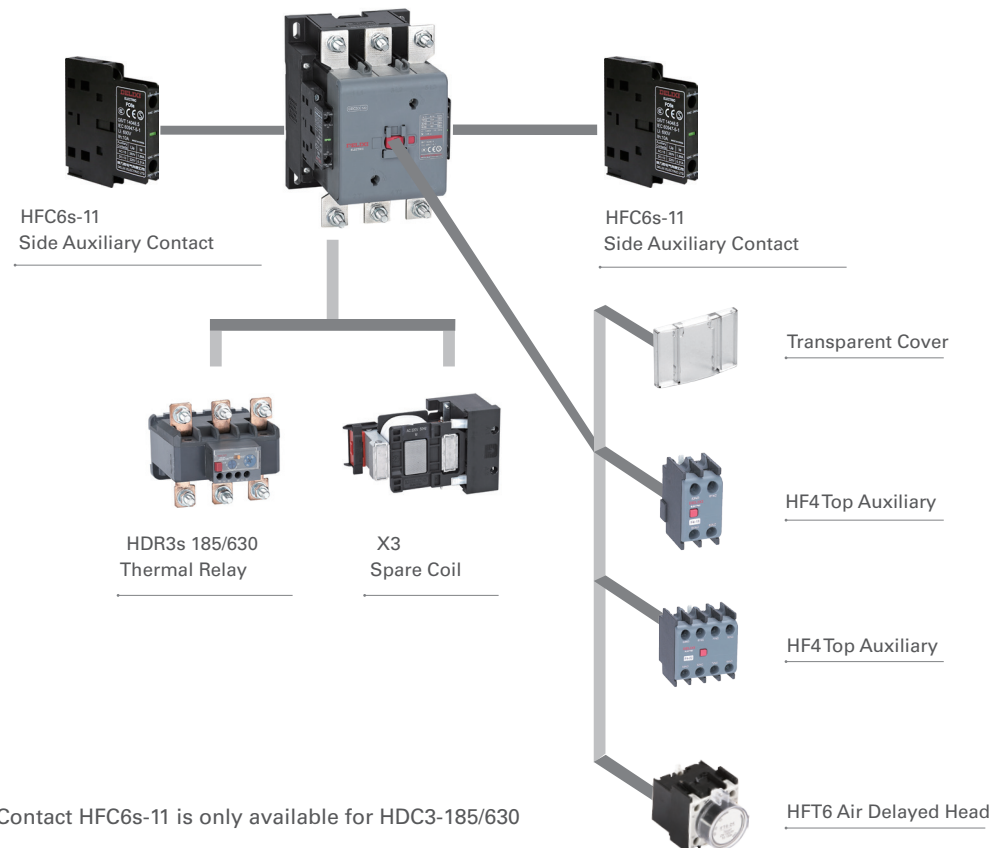


Overview of accessories

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



Transparent cover

Contactor Type	Reference
HDC3-6~38A/HDZ3	HPCs38
HDC3-40~65A	HPCs65
HDC3-80~95A	HPCs95

HDC3 6-95A & 120-630A contactor accessories

Auxiliary contact

Installation position	Pole	Auxiliary Contact NO	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	
	Side	2	0	2		HFC6 02
			1	1		HFC6 11
			2	0		HFC6 20



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
Top	Breaking time-delay		0.1-3s	HFT6 30
			0.1-30s	HFT6 32
			10-180s	HFT6 34



Mechanical Interlock

Horizontal installation		
Interlock method	Contact type	Reference
Mechanical interlock	HDC3-9~32	HFR6 32 H
Mechanical interlock with electrical interlock	HDC3-40~95	HFR6 95 H



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
	95: 95A	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	95	185 630
Trip level	10A		10	
Rated insulation voltage(Ui) V	660V		690V	
Base	HJRS1D25J	HJRS1D36J	HJRS1D93J	- -
Certification	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	
Rated operating voltage (Ue) V	230		230	
Rated operating current Ie A	1.57		0.90	
Conventional thermal current Ith A	5		5	
Wiring	1mm ²			

Motor Management

HDC6 AC Contactors

Standard: IEC60947-4



Range presentation

HDC6 is Himel 6 series range of contactors designed for Motor Control AC3 applications up to 630A 690V.

HDC6 contactors are applicable to AC power systems 50Hz or 60Hz with rated operating voltage up to 690V.

HDC6 contactors can be combined with HDR6 thermal overload relays to provide overload protection

Features

- ◆ Current specifications: 6A-95A, 115A-630A
- ◆ Pole: 3-pole
- ◆ Coil voltage: 24-440V
- ◆ Coil frequency: 50Hz, 50/60Hz

Online content



HDC6

Selection code

Range name	Current specification	Auxiliary contact	Coil voltage	Coil frequency
HDC6	09	11	M	7
HDC6	09: 09A 630: 630A	00: 0NO+0NC 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	Default: 50Hz 7: 50/60Hz

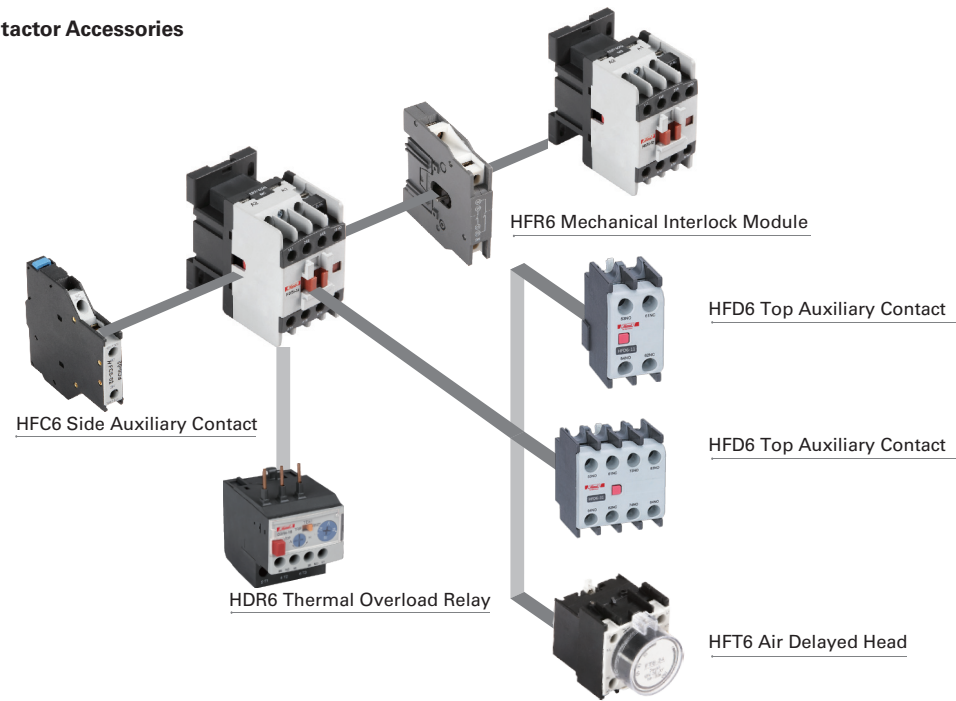
HDC6 AC Contactors

Standard: IEC60947-4

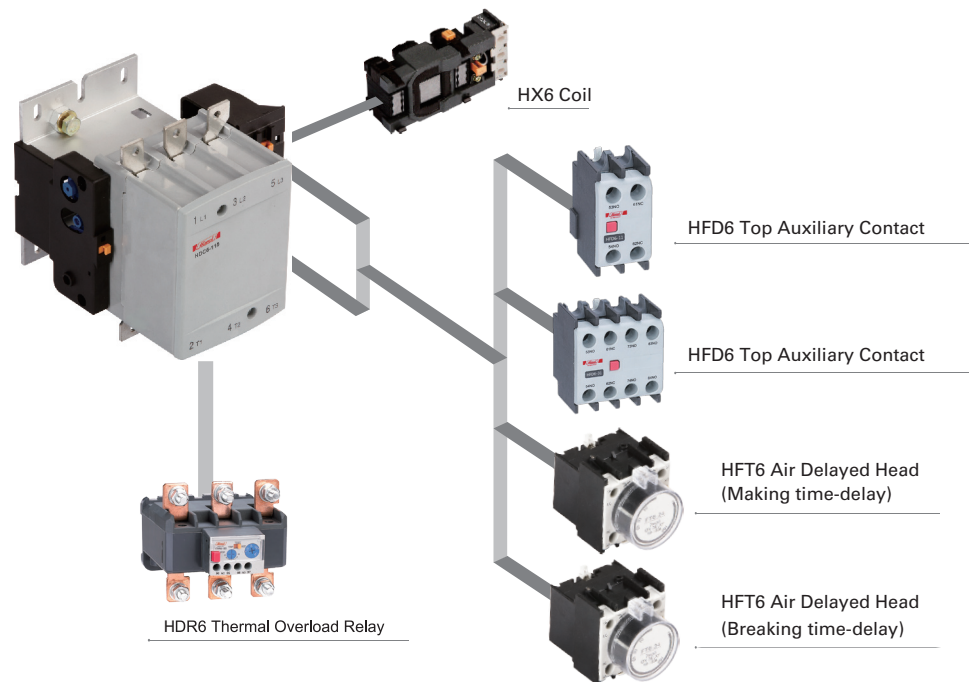


Overview of accessories

HDC6-9~95A Contactor Accessories



HDC6-115~630A Contactor Accessories



HDC6 AC Contactors

Standard: IEC60947-4



Technical parameters											
AC Contactors		HDC6-09	HDC6-12	HDC6-18	HDC6-25	HDC6-32	HDC6-40	HDC6-50	HDC6-65	HDC6-80	HDC6-95
Main circuit characteristics											
Rated operating current (AC380V/400V)	le, AC-3	9A	12A	18A	25A	32A	40A	50A	65A	80A	95A
	le, AC-4	3.5A	8.9A	12A	18A	21A	34A	39A	42A	49A	55A
	le, AC-1	20A	20A	32A	40A	50A	60A	80A	80A	125A	125A
Rated insulation voltage (Ui)		690V									
Maximum rated operating voltage (Ue)		690V									
Number of poles		3									
Rated operating power class AC-3	220/240V	2.2kW	3kW	4kW	5.5kW	7.5kW	11kW	15kW	18.5kW	22kW	25kW
	380/400V	4kW	5.5kW	7.5kW	11kW	15kW	18.5kW	22kW	30kW	37kW	45kW
	415/440V	4kW	5.5kW	9kW	11kW	15kW	22kW	25kW	37kW	45kW	45kW
	660/690V	5.5kW	7.5kW	10kW	15kW	18.5kW	30kW	33kW	37kW	45kW	45kW
AC-3	Electric durabilities (10 thousand times)	100	100	100	100	80	80	80	80	60	60
	Operating Rate (time/h)	1200	1200	1200	1200	600	600	600	600	600	600
Mechanical durabilities (10 thousand times)		1000	1000	1000	1000	800	800	800	800	800	800
Coil											
Rated control circuit voltage (Us)	50/60Hz	24V, 48V, 110V, 220V, 230V, 240V, 380V, 400V									
Allowable control circuit voltage (Us)	Operation	85%~110% Us									
	Drop-out	20%~75% Us									
Coil power	Actuation VA	70			110			200			
	Holding VA	8			11			20			
	Heat dissipation W	1.8~2.7			3~4			6~10			
Terminal wiring ability											
Soft wire without terminal block	1 pc (wire section mm ²)	1~4	1~4	1.5~6	1.5~10	2.5~10	2.5~25	2.5~25	2.5~25	4~50	4~50
	2 pcs (wire section mm ²)	1~4	1~4	1.5~6	1.5~6	2.5~10	2.5~16	2.5~16	2.5~16	4~25	4~25
Soft wire with terminal block	1 pc (wire section mm ²)	1~4	1~4	1~6	1~6	1~10	2.5~25	2.5~25	2.5~25	4~50	4~50
	2 pcs (wire section mm ²)	1~2.5	1~2.5	1~4	1~4	1.5~6	2.5~10	2.5~10	2.5~10	4~16	4~16
Hard wire without terminal block	1 pc (wire section mm ²)	1~4	1~4	1.5~6	1.5~6	1.5~10	2.5~25	2.5~25	2.5~25	4~50	4~50
	2 pcs (wire section mm ²)	1~4	1~4	1.5~6	1.5~6	2.5~10	2.5~16	2.5~16	2.5~16	4~25	4~25
Auxiliary contact											
Rated thermal turrent (Ith)	A	10									
Rated operating voltage (Ue)	AC V	400									
	DC V	220									
Rated control capacity	AC-15 VA	360									

HDC6 AC Contactors

Standard: IEC60947-4



Technical parameters										
AC Contactors		HDC6-115	HDC6-150	HDC6-185	HDC6-225	HDC6-265	HDC6-330	HDC6-400	HDC6-500	HDC6-630
Main circuit characteristics										
Rated operating current (AC380V/400V)	Ie, AC-3	115A	150A	185A	225A	265A	330A	400A	500A	630A
	Ie, AC-4	52A	60A	79A	85A	105A	117A	138A	147A	188A
	Ie, AC-1	200A	250A	275A	315A	350A	400A	500A	630A	800A
Rated insulation voltage (Ui)		1000V								
Rated operating voltage (Ue)		690V								
Number of pole		3								
Rated operating power class AC-3	220/240V	30kW	40kW	55kW	63kW	75kW	100kW	110kW	147kW	200kW
	380/400V	55kW	75kW	90kW	110kW	132kW	160kW	200kW	250kW	335kW
	415/440V	59kW	80kW	100kW	110kW	140kW	180kW	220kW	280kW	375kW
	660/690V	80kW	100kW	110kW	129kW	160kW	220kW	280kW	335kW	450kW
AC-3	Electric durabilities (10 thousand times)	120	120	100	100	80	80	80	80	80
	Operating Rate (time/h)	600	600	600	600	600	600	300	300	300
Mechanical durabilities	(10 thousand times)	1000	1000	600	600	600	600	600	600	600
Coil										
Rated control circuit voltage (Us)	50Hz	110V, 127V, 220V-230V, 240V, 380V-400V, 440V								
	50/60Hz	110V, 220-230V, 240V, 380V-400V (115-225A), 110V, 127V, 220V-230V, 240V, 380V-400V, 440V(265-630A)								
Allowable control circuit voltage (Us)	Operation	85%~110% Us								
	Drop-out	20%~75% Us								
Coil power	Actuation VA	550	800	1200	1200	1250	1650			
	Holding VA	45	55	13	20	24	22			
	Heat dissipation W	16	24	12	14	18	20			
Terminal wiring ability										
Fixed wire without terminal block	1 pc (wire section mm ²)	95	120	150	185	240	240	-	-	-
	2 pcs (wire section mm ²)	-	-	-	-	-	-	150	240	-
Copper bar	2 pcs (size mm ²)	20*3	25*3	25*3	32*4	32*4	30*5	30*5	40*5	60*5
Auxiliary contact										
Rated thermal current (Ith)	A	10								
Rated operating voltage (Ue)	ACV	400								
	DCV	220								
Rated control capacity	AC-15 VA	360								

HDR6 Thermal Overload Relays

Standard: IEC60947-4



Range presentation

HDR6 is Himel 6 series range of thermal overload relays designed to provide protection against overload, phase loss and current imbalance.

HDR6 thermal overload relays can be combined with HDC6 contactors into motor starter.

Features

- ◆ Frame rating current: 18, 32, 95, 185, 630A
- ◆ Setting current: 0.1-0.15A...460-630A

Online content



HDR6

Selection code

Range name	Frame size	Setting currents	Installation type
HDR6	18	18	
HDR6	18: 18A	P15: 0.1-0.15A 18: 14-18A	Default: None F: Independent installation
	32: 32A	9: 6.3-9A 32: 23-32A	
	95: 95A	25: 18- 25A 95: 80-95A	
	185: 185A	65: 48-65A 185: 150-185A	
	630: 630A	200: 145-200A 630: 460-630A	

HDR6 Thermal Overload Relays

Standard: IEC60947-4



Order information

Setting current	Matched fuse		Matched contactor	Reference
	aM	gG		
0.10-0.15A	0.25	2	HDC6-09~18	HDR6 18 P15
0.12-0.18A	0.25	2	HDC6-09~18	HDR6 18 P18
0.18-0.25A	0.5	2	HDC6-09~18	HDR6 18 P25
0.25-0.36A	1	2	HDC6-09~18	HDR6 18 P36
0.35-0.50A	1	2	HDC6-09~18	HDR6 18 P5
0.50-0.70A	1	2	HDC6-09~18	HDR6 18 P7
0.63-0.90A	2	4	HDC6-09~18	HDR6 18 P9
0.90-1.20A	2	4	HDC6-09~18	HDR6 18 1P2
1.20-1.80A	4	6	HDC6-09~18	HDR6 18 1P8
1.80-2.50A	4	6	HDC6-09~18	HDR6 18 2P5
2.50-3.60A	6	10	HDC6-09~18	HDR6 18 3P6
3.50-4.80A	8	16	HDC6-09~18	HDR6 18 4P8
4.50-6.30A	8	16	HDC6-09~18	HDR6 18 6P3
5-7A	12	20	HDC6-09~18	HDR6 18 7
6.3-9A	12	20	HDC6-09~18	HDR6 18 9
9-12A	16	25	HDC6-09~18	HDR6 18 12
11-15A	20	35	HDC6-09~18	HDR6 18 15
14-18A	20	35	HDC6-09~18	HDR6 18 18
6.3-9A	12	20	HDC6-25~32	HDR6 32 9
9-12A	16	25	HDC6-25~32	HDR6 32 12
12-18A	20	35	HDC6-25~32	HDR6 32 18
18-25A	25	50	HDC6-25~32	HDR6 32 25
23-32A	40	63	HDC6-25~32	HDR6 32 32
18-25A	25	50	HDC6-40~95	HDR6 95 25
23-32A	40	63	HDC6-40~95	HDR6 95 32
30-40A	40	100	HDC6-40~95	HDR6 95 40
37-50A	63	100	HDC6-40~95	HDR6 95 50
48-65A	63	100	HDC6-40~95	HDR6 95 65
55-70A	80	125	HDC6-40~95	HDR6 95 70
63-80A	80	125	HDC6-40~95	HDR6 95 80
80-95A	100	160	HDC6-40~95	HDR6 95 95



Base

Adaptive thermal relay type	Reference
HDR6-18	HDR6 18 J
HDR6-32	HDR6 32 J
HDR6-95	HDR6 95 J

HDR6 Thermal Overload Relays

Standard: IEC60947-4



Order information

Setting current	Matched relay		Matched contactor	Reference
	aM	gG		
48-65	80	100	HDC6-115~185	HDR6 185 65
55-70	80	100	HDC6-115~185	HDR6 185 70
63-80	80	100	HDC6-115~185	HDR6 185 80
75-95	100	125	HDC6-115~185	HDR6 185 95
90-115	125	200	HDC6-115~185	HDR6 185 115
105-135	160	200	HDC6-115~185	HDR6 185 135
120-150	160	200	HDC6-115~185	HDR6 185 150
130-160	160	250	HDC6-115~185	HDR6 185 160
150-185	200	250	HDC6-115~185	HDR6 185 185
145-200	200	400	HDC6-225~630	HDR6 630 200F
180-250	250	400	HDC6-225~630	HDR6 630 250F
230-320	355	500	HDC6-225~630	HDR6 630 320F
290-400	400	630	HDC6-225~630	HDR6 630 400F
350-480	500	800	HDC6-225~630	HDR6 630 480F
460-630	630	800	HDC6-225~630	HDR6 630 630F



Technical parameters

Thermal Overload Relays		HDR6
Temperature compensation		-10°C ~ +55°C
Trip class	10A	HDR6-18, 32, 630/F
	10	HDR6-95, 185
	HDR6-18	0.1-18A
	HDR6-32	6.3-32A
Frame current	HDR6-95	18-95A
	HDR6-185	48-185A
	HDR6-630/F	145-630A
Rated impulse withstand voltage (Uimp)		6kV
Protection function		Over-load protection
		Phase failure protection
		Manual and automatic reset
		Tripping indication
		Stop button
		Test button
Installation method		Assembly / Independent: HDR6-18~185
		Independent: HDR6-630/F
Auxiliary circuit		
Rated thermal current		6A
Contact type		1NO+1NC
Rated insulating voltage		690V
	AC-15 220V/240V	1.64A
	AC-15 380V/415V	0.95A
Control capacity	DC-13 220V/240V	0.23A
Wiring ability	Wire section	1mm ²

HJX2 4P AC Contactors

Standard: IEC60947-4



Range presentation

HJX2 & HJX2F 4P AC contactor 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 overload protection.

Features

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

Online content



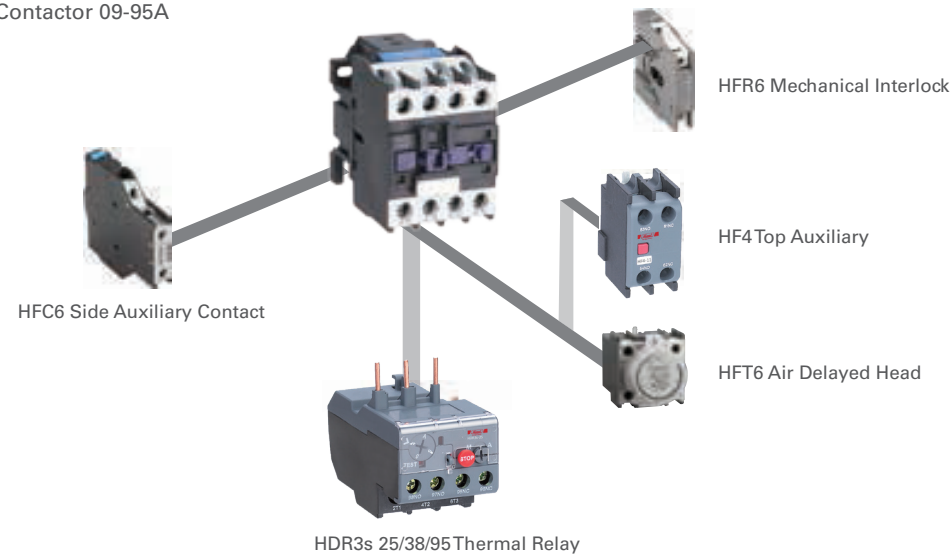
HJX2

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



HJX2 4P AC Contactors

Standard: IEC60947-4



Technical parameters		HJX2-09	HJX2-12	HJX2-25	HJX2-40	HJX2-50	HJX2-65	HJX2-80	HJX2-95
AC Contactors									
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
Rated power of controlled 3-phase cage motor	380/400V AC-4 A	1.5	2	4.4	9	12	14	17.3	21.3
	660/690V 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
Electric durabilities	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
	AC-3 ×10 ⁴ operations	100	100	100	80	80	80	60	60
Mechanical durabilities	AC-4 ×10 ⁴ operations	20	20	20	15	15	15	10	10
	×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	16	25	35
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 overload protection.

Features

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

Online content



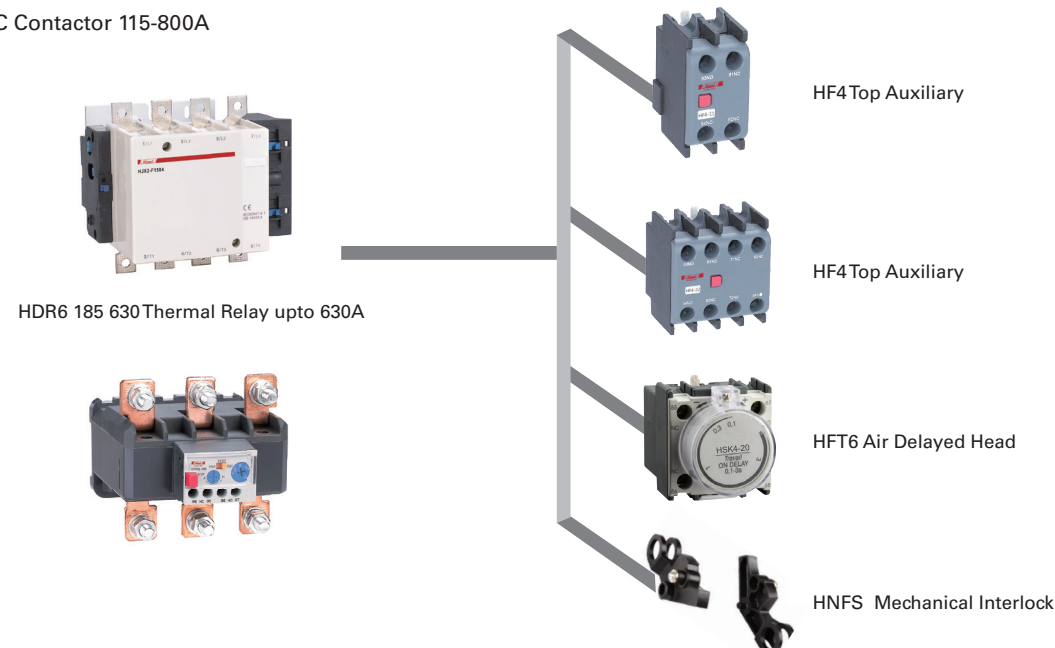
HJX2-F

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	
Rated power of AC-3	le max AC-1 Aθ≤40 °C	200	250	275	315	350	400	500	630	800	800	
	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	
Electric durabilities	660/690V	80	100	120	129	180	220	280	355	450	475	
	1000V	65	65	100	140	147	160	185	335	450	450	
Mechanical 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	
Operating frequency cycles/h	×10 ⁴ operations	300	300	300	300	300	300	100	100	100	100	
Matched fuse	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	
Cable connection cross section mm ²	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	
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		
	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

HJSZ3 Electronic Timer Relays

Standard: IEC60947-4



Range presentation

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

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

Features

- ◆ Multi-position type Time 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 thermal 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
Contact 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

Motor Management

HDZ9 Miniature Relays

Standard: IEC60947-4



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

Online content



HDZ9

Selection code

Range name	Current specification	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	3A 5A 10A 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	≥1000000 times (18000 times/h)
Actuation voltage (23°C)	DC: ≤75% (rated voltage), AC: ≤80% (rated voltage)
Release voltage (23°C)	DC: ≥10% (rated voltage), AC: ≥30% (rated voltage)
Maximum voltage (23°C)	110% (rated voltage)
Insulation resistance	≥100MΩ (500VDC)
Coil power	DC: 0.9W 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°C ~+55°C
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

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*

Motor Management

HDC17K Miniature AC Contactors

Standard: IEC60947-4

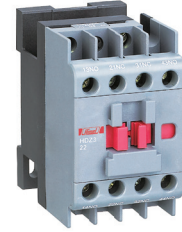


Miniature AC Contactors		HDC17-K06	HDC17-K09	HDC17-K12	
Main circuit characteristics					
Rated operating current	380V/400V, AC-3	A	6	9	12
	380V/400V, AC-4	A	2.6	3.5	5
	660V/690V, AC-3	A	3.5	5	6
	660V/690V, AC-4	A	1.2	1.5	2
Rated operating voltage	V	220/230, 380/400, 660/690			
Rated insulation voltage	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	x10 ⁴ operations	100		
Operating rate		cycles/h	1200		
Electric endurance	AC-4	x10 ⁴ operations	20		
Operating rate		cycles/h	600		
Mechanical endurance		x10 ⁴ cycles	1000		
Matched Fuse			HRT16-16	HRT16-20	
Cable connection	Inflexible cable	number of piece	2		
	Cross Section of Cable	mm ²	4		
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		
	380V, AC-15	A	0.15		
Control capacity	220V, DC-13	VA	360		
	AC-15	W	33		
	DC-13				

Motor Management

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

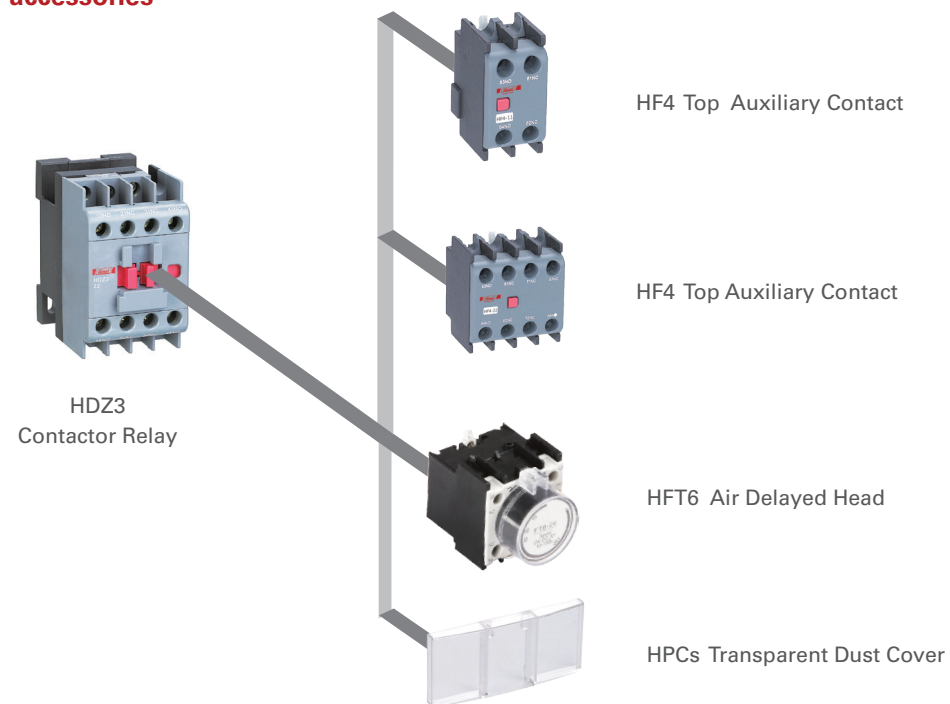


HDZ3

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



Motor Management

HDZ3 Contactor Relays

Standard: IEC60947-4



Technical parameters		HDZ3
Contactor Relays		
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
Certification		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
HDP17K	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

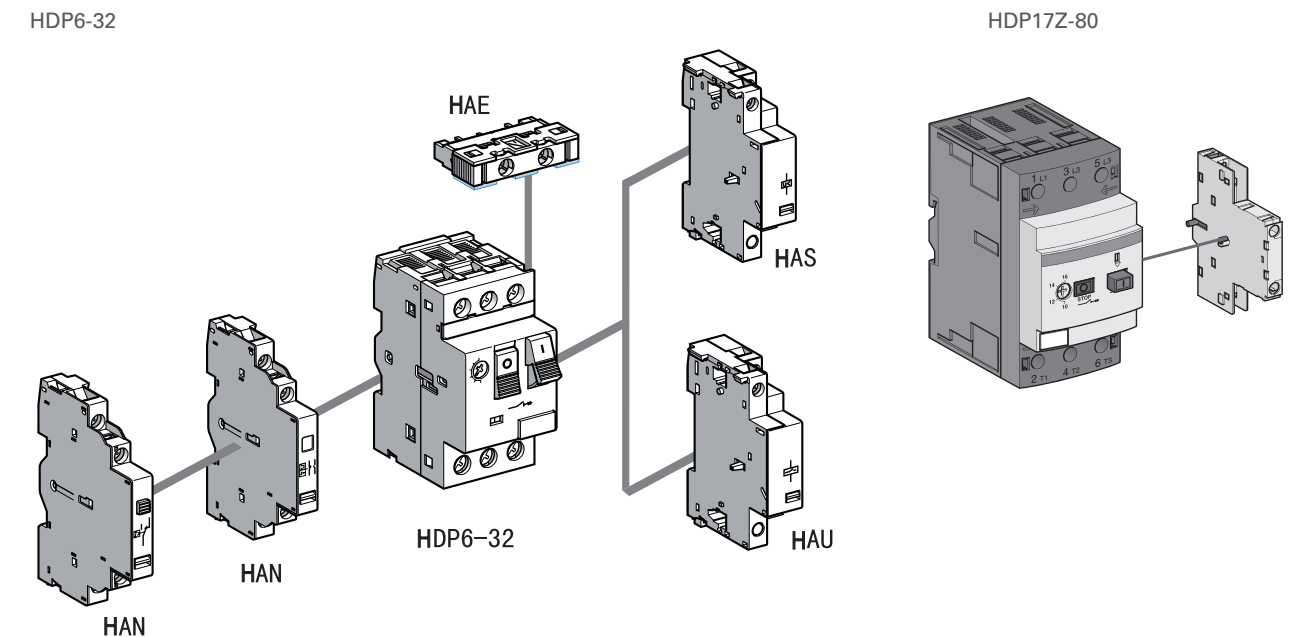
HDP6 Motor Circuit Breakers

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
Certification	CE, SEMKO	

Overview of accessories



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 38: 38A 95: 95A	B: with push button	09: 9A 95: 95A	C: 36V F: 110V S: 127V M: 220/230V Q: 380/400V L: 415V X: 440V	7: 50/60Hz	P16: 0.1-0.16A P6: 1.0-1.6 A 93: 80-93A	Default: Plastic M: Metal

Technical parameters

Magnetic Starters	HDS3-18 Metal			HDS3-38 Metal			HDS3-95 Metal				
	HDS3-38 Plastic										
Rated operating 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 insulaion 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										
Certification	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 metal 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 and vibration.										

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				
0.37	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	1			"HDS318B09*701M /HDS338B09*701"			
				1~1.6	1P6			"HDS318B09*71P6M /HDS338B09*71P6"			
				1.6~2.5	2P5			"HDS318B09*72P5M /HDS338B09*72P5"			
				2.5~4	4			"HDS318B09*704M /HDS338B09*704"			
				4~6	6			"HDS318B09*706M /HDS338B09*706"			
				5.5~8	8			"HDS318B09*708M /HDS338B09*708"			
4	12	HDS3-38 Plastic		7~10	10	HDC3-12A	HDR3s-3	"HDS318B12*710M /HDS338B12*710"			
5.5	18			9~13	13	HDC3-18A		"HDS318B18*713M /HDS338B18*713"			
7.5	25			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				

General Purpose Variable Speed Drives



Range selection

Capacity Range (Motor Capacity in kW)																										
0.4	0.75	1.5	2.2	3.7	4	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	110	132	160	185	200	220	250	280	315
BASIC																										
HAV-BA-2S																										
HAV-BA-4T																										
EXPERT XC																										
HAV-XC-2S																										
HAV-XC-4T																										
EXPERT XS																										
HAV-XS-2S																										
HAV-XS-2T																										
HAV-XS-4T																										

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

BASIC Series

Series presentation

Himel BASIC series variable speed drives (VSDs) are for single phase/three phase asynchronous motors from 0.45 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 Compact Range

Range presentation

Himel EXPERT Compact range variable speed drives (VSDs) are for single/three phase asynchronous motors from 0.4 kW to 4 kW. It is designed for side by side mounting to increase the integration density for different applications.

Features

- ◆ Compact design
- ◆ Side by side mounting
- ◆ Built-in simple controller
- ◆ Integrated Modbus communication

Online content



EXPERT Compact

Selection code



Range name	Input	Power range	Drive type
HAVXC	4T	0007	G
HAVXC: EXPERT Compact	2: 200-240V 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	G: Heavy Duty

EXPERT Standard Range

Range presentation

Himel EXPERT Standard range variable speed drives are for single/three phase asynchronous motors from 0.75kW to 315kW. 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	Power rangen	Drive type
HAVXS	4T	0007	G	0015	P(S)
HAVXS: EXPERT Standard	2: 200-240V 4: 380V – 440V S: Single-phase T: Three-phase	0007: 0.75kW 0015: 1.5kW 0022: 2.2kW 2500: 250kW 2800: 280kW	G: Heavy Duty	0055: 5.5kW 0075: 7.5kW 0110: 11kW 2800: 280kW 3150: 315kW	P: Normal Duty S: Floor standing installation

General Purpose Variable Speed Drives



Target Application	Small & Simple General Purpose Applications	Pumps, Fans and Advanced General Purpose Application		
Range Name	BASIC BA	EXPERT XC	EXPERT XS	
Capacity range	Single phase 200V Class 200V(-10%)-220V(+10%) 0.4-2.2kW	200V(-15%)-240V(+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	380V(-15%)-440V(+10%) 0.75-4kW	380V(-15%)-440V(+10%) 0.75-315kW	
Frequency	Input frequency	50/60Hz		
	Output frequency	0-650Hz	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	Fixed	Pluggable	
Display	LED	LED	Double row LED	
Multispeed control	Up to 16 stages in one cycle			
I/O	DI1-DI4	NPN/PNP, Input: 9-30VDC	NPN/PNP, Input: 9-30VDC	NPN/PNP, Input: 9-30VDC
	DI5	NPN/PNP, Input: 9-30VDC, Pulse input: max. 50kHz	NPN/PNP, Input: 0-24VDC, Pulse input: max. 100kHz	NPN/PNP, Input: 9-30VDC, Pulse input: max. 200kHz
	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	V: 0-10V I: 0-20mA Resolution: 1/1000
	AI2	V: 0-10V Resolution: 1/1000		
	AO1	V: 0-10V Resolution: 1/1000	V: 0-10V I: 0-20mA Resolution: 1/1000	V: 0-10V I: 0-20mA Resolution: 1/1000
	AO2	V: 0-10V I: 0-20mA Resolution: 1/1000	—	
	RO(Ta, Tb, Tc)	NO: 24VDC 3A / 250VAC 5A NC: 24VDC 3A / 250VAC 3A		
	Inbuilt communication (Max. speed)	RS485, Modbus RTU (38.4kbps)		
Options	Communication	—	—	CANopen, Profibus, DeviceNet, Ethernet/IP, EtherCAT, Profinet
	Extension I/O	—	—	DI/DO/AI/AO/RO/PT100/PT1000
	Extension keypad	Support, cable length:2m, 5m		

General Purpose Variable Speed Drives









Target Application	Small & Simple General Purpose Applications	Pumps, Fans and Advanced General Purpose Application	
Range Name	BASIC BA	EXPERT XC	EXPERT XS
Installation Way	Wall mounted, cabinet, din-rail	Wall mounted, cabinet, din-rail	Wall mounted, cabinet,flange installation
Dust Shields	—	Optional	Optional
Simple EMC Filter	—	—	Built-in (0.7kW-22kW, 200kW- 315kW) Optional (30kW-185kW)
Braking unit	Built-in	Built-in	Built-in (<= 18.5kW)
Environment and standards	Operation temperature	-10-40 °C no capacity reduction, 40°C -50°C 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		
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 Manual- setting: 0.1%~30.0%		
V/F control curve definition	4 solution: Linear V/F, Square V/F, V ^{1.7} /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)	Can keep the output voltage stable by adjusting PWM output automatically when the input voltage is not stable.		
Auto current limitation	Limits current automatically to avoid tripping from frequent over current.		
Auto PWM adjustment	Can adjust the PWM frequency automatically according to the load characteristic		
Prevent mis operation	—	Protect the VSD parameters from change to avoid drives mis operation	
Protection function	Over-current, over-voltage, under-voltage, over-heat, over-load, short circuit.		
Cooling	Air- cooling		

General Purpose Variable Speed Drives

Standard: IEC60947-4



Accessories selection

Category	Type	Range	Commercial Reference	Applicable Product	Pictures
ADD-ON	EMC filter card	EXPERT XS	HAV-XS-4T0370G-FL	4T*: 30 - 37kW	
			HAV-XS-4T0550G-FL	4T*: 45 - 55kW	
			HAV-XS-4T1850G-FL	4T*: 75 - 185kW	
	EtherCAT Card	EXPERT XS	HAV-XS-EtherCAT	4T*: 0.75kW - 280kW	
	IO extension card with 3 Di and 1 relay	EXPERT XS	HAV-XS-IO-3DI-R	4T*: 0.75kW - 280kW	
Standard IO Extension 5 DI, 1 DO, 1 AI, 1 Relay	HAV-XS-IO-5DI-AI-R		4T*: 0.75kW - 280kW		
Profinet Card	EXPERT XS	HAV-XS-Profinet-1	4T*: 0.75kW - 280kW		
Dust Preventive Accessories	Dust cover	EXPERT XS	HAV-XS-FCB	2S*: 0.75 - 2.2kW 2T*: 0.75 - 22kW 4T*: 0.75 - 22kW	
		BASIC BA	HAV-BA-4T0040	2S*: 2.2kW 4S*: 4kW, 5.5kW	
	Dust Guaze	EXPERT XC	HAV-XC-4T0015-JFZ	2S*: 0.75 - 1.5kW 2T*: 0.75 - 1.5kW	
			HAV-XC-4T0040-JFZ	2S*: 2.2kW 4T*: 4.0kW	
		EXPERT XS	HAV-XS-4T0075-FSB	4T*: 5.5kW, 7.5kW	
	HAV-XS-4T0150-FSB	4T*: 11kW, 15kW			
	HAV-XS-4T0220-FSB	4T*: 18.5kW, 22kW			
	Dust Sticker	BASIC BA	HAV-BA-4T0022	2S*: 0.75 - 2.2kW 4T*: 0.75 - 5.5kW	
		EXPERT XS	HAV-XS-FCT	2S*: 0.75 - 2.2kW 4T*: 4 - 7.5kW	

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

General Purpose Variable Speed Drives

Standard: IEC60947-4



Accessories selection

Category	Type	Range	Commercial Reference	Applicable Product	Pictures
				XS	
Installation Accessories	Flange-mounting	Expert XS	HAV-XS-4T0040-QRZJ	4T*: 0.75 - 4kW 2S*: 0.75 - 2.2kW	
			HAV-XS-4T0075-QRZJ	4T*: 5.5 - 7.5kW	
			HAV-XS-4T0150-QRZJ	4T*: 11 - 15kW	
			HAV-XS-4T0220-QRZJ	4T*: 18.5 - 22kW	
			HAV-XS-4T0370-QRZJ	4T*: 30 - 37kW	
			HAV-XS-4T0750-QRZJ	4T*: 45 - 75kW	
			HAV-XS-4T1320-QRZJ	4T*: 90 - 132kW	
	Wall-mounting	Expert XS	HAV-XS-4T2200-BGZJ	4T*: 200 - 220kW	
			HAV-XS-4T2800-BGZJ	4T*: 250 - 280kW	
	Floor-standing	Expert XS	HAV-XS-4T0370-DZ	4T*: 30 - 37kW	
HAV-XS-4T0750-DZ			4T*: 45 - 75kW		
HAV-XS-4T1100-DZ			4T*: 90 - 132kW		
HAV-XS-4T1600-DZ			4T*: 160 - 185kW		
Keypad & Accessories	Keypad bracket	Expert XS	HAV-XS-JPT	2S*: 0.75 - 2.2kW 2T*: 4 - 7.5kW 4T*: 0.75kW ~ 280kW	
	EXPERT XC	HAV-XC-LKD	2S*: 0.40 - 2.2kW 4T*: 0.75 - 4.0kW		
	EXPERT XS	HAV-XS-LKD	2S*: 0.75 - 2.2 kW 2T*: 4 - 7.5kW 4T*: 0.75 - 280kW		
2m and 5m keypad extension cable	BASIC EXPERT XC Expert XS	HAV-XS-CAB	2S*: 0.4 - 2.2 kW 2T*: 0.75 - 160kW 4T*: 0.75 - 280kW		

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

SMART SOLAR Variable Speed Drives



Range presentation

Himel SMART SOLAR range variable speed drive (VSD) is dedicated for your solar pumping applications ranging from 0.4kW to 5.5 kW. Himel SMART SOLAR VSD is designed with the focus on essentials in term of both hardware and software to help provide water for people with no access to electric grid at a low cost.

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
- ◆ Motor soft-start eliminates water hammer effect
- ◆ Built-in comprehensive protections

Online content



SMART SOLAR

Selection code

Series name	Input	Adaptation	Drive type
HAVSS	4T	0007	G
HAVSS: SMART Solar	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

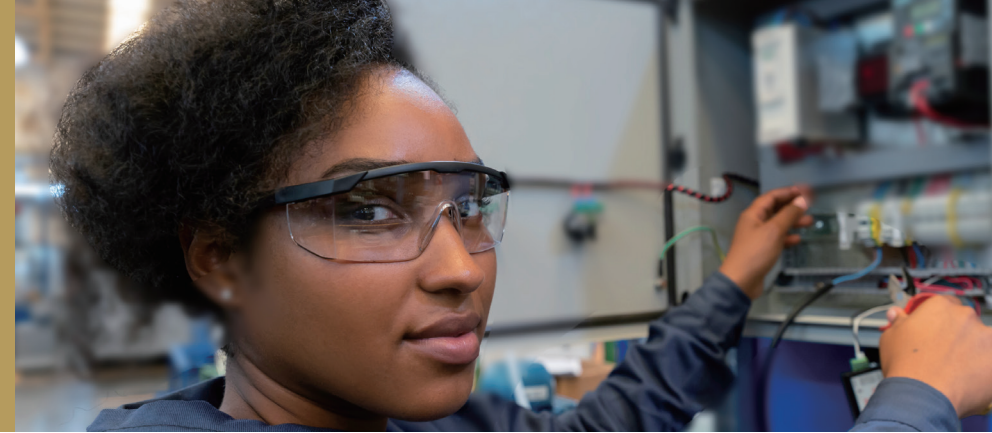
Technical parameters		SMART SS
Range name		SMART SS
Target Application		Solar / Photovoltaic Pumps
Capacity	DC/Single phase AC	DC: 150V-450V AC: 200V(-10%)-220V(+10%) 0.4-2.2kW
	DC/Three phase AC	DC: 250V-780V AC: 380V(-15%)-440V(+10%) 0.4-5.5kW
Frequency	Input frequency	50/60Hz
	Output frequency	0-650Hz
Overload capacity	Heavy Duty	150% for 1min, 180% for 1s, 200% instant protection
Control method	V/f	√
	Sensor less vector control	√
	Eco-mode control	√
Start torque		0.5Hz, 150%
Built-in PID		√
Keypad		Fixed
Display		LED
Multistage speed control		Up to 16 stages in one cycle
	DI1-DI4	NPN/PNP, Input: 9-30VDC
	DI5	NPN/PNP, Input: 9-30VDC, Pulse input: max. 50kHz
	DO1	9-30VDC, max. 50mA
	DO2	9-30VDC, max. 50mA Pulse output max. 50kHz

SMART Solar Variable Speed Drives



Technical parameters		
I/O	AI1	V: 0-10V I: 0-20mA Resolution: 1/1000
	AI2	V: 0-10V Resolution: 1/1000
	AO1	V: 0-10V Resolution: 1/1000
	AO2	V: 0-10V I: 0-20mA Resolution: 1/1000
	Relay Output	NO: 24VDC 3A / 250VAC 5A NC: 24VDC 3A / 250VAC 3A
	Extent the above line	RS485, Modbus RTU (38.4kbps)
Options	Extension keypad	Support, cable length:2m, 5m
Installation Way		Wall mounted, cabinet, Din-rail
Braking unit		Built-in
Environment	Operation temperature	-10-40°C no derating, 40°C-50°C derating
	Humidity	≤90%RH
	Altitude	≤1000m, no capacity reduction
	IP level	IP20
Features	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 Manual- setting: 0.1%~30.0%
	V/F control curve definition	4 solution: Linear V/F, Square V/F, V1.7/F, V1.2/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)		Can keep the output voltage stable by adjusting PWM output automatically when the input voltage is not stable.
Auto current limitation		Limits current automatically to avoid tripping from frequent over current.
Auto PWM adjustment		Can adjust the PWM frequency automatically according to the load characteristic
Protection	Protection against mis operation	Protect the VSD parameters from change to avoid drives mis operation
	Protection function	Over-current, over-voltage, under-voltage, over-heat, over-load, short circuit.
	Cooling	Air- cooling

Panel 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

HLAY5CS Control Stations

NEW



HLAY5CS

Compatible with HLAY5 pushbutton and switches Ø 22mm

HLAY7 Pushbuttons, Switches and Pilot Lights



HLAY7

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

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

Industrial Plugs & Sockets



HDCP Moving Industrial Plugs



HDP Fixed Industrial Plugs



HDSM Moving Industrial Sockets



HDSF Fixed Industrial Sockets



HDPS Multi-function Plugs and Sockets

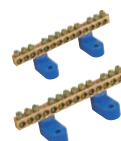
HTB Copper Terminal Blocks



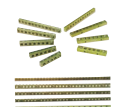
HTB010



HTB019



HTB007



HTB043



HTB112

HCF Cable Connectors



HCF

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

Panel Components

HDIN DIN-Rails



HDIN

Thickness(mm): 1.0
Length: 1000mm,2000mm
Material: Aluminum, Steel

HDKUS AC to DC Switch Mode Power Supplies



HDKUS

Rated power: 35W, 50W, 75W, 100W, 150W, 200W, 350W
Output voltage: 5V, 12V, 24V, 36V, 48V
AC input frequency: 47~63Hz

HBK Control Transformers



HBK

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

Panel Components

HLAY5 Pushbuttons, Switches and Pilot Lights

Standard: IEC 60947-5-1



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




Panel Components

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 $\begin{matrix} C \\ R \\ \downarrow \\ L \\ C \\ R \end{matrix}$ 3: 3p, stay put $\begin{matrix} C \\ R \\ \downarrow \\ L \\ C \\ R \end{matrix}$ 4: 2p, spring return $\begin{matrix} C \\ R \\ \downarrow \\ L \\ C \\ R \end{matrix}$ 5: 3p, spring return $\begin{matrix} C \\ R \\ \downarrow \\ L \\ C \\ R \end{matrix}$	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
HLAY5

Type
BE10

Contacts
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 thermal 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

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: <ul style="list-style-type: none"> ● 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	



Panel 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	11	BN	3	2
	HLAY7**BN: Flush, spring return		1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	
 	HLAY7**BNZS: Flush, push-push HLAY7**GN: Projecting, spring return HLAY7**GNZS: Projecting, push-push HLAY7**JN: Recessed (high guard)	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	3: Green 4: Red	2: Ø22 3: Ø25 4: Ø30
 	HLAY7**M: Ø40 Mushroom, spring return HLAY7**MZS: Ø40 Mushroom, push-push HLAY7**ZS: Ø40 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	11	XB	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	2: Ø22 3: Ø25 4: Ø30

Panel Components

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	11	DZS	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	11	XD	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 thermal 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

HLD11 Pilot Lights

Standard: IEC 60947-5-1



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



HLD11

Selection Code

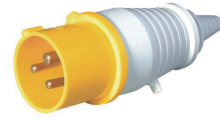
Range name	Drilling or cut-out for mounting	Type	Step-down type	Shape of head	Rated voltage	Color
HLD11	22	D	4	1	M	4
	22: Ø22	A: Full cover head & long terminal	2: Resistance type 4: Capacitance type	1: Circular	T: AC/DC 6V J: AC/DC 12V B: AC/DC 24V F: AC/DC 110V M: AC/DC 220V N: AC 230V Q: AC 380V	7: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

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	

Industrial Plugs & Sockets

Standard: IEC 60309-1-2



Range presentation

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.

Features

- ◆ Waterproof and dustproof.
- ◆ Long mechanical life and durability

Selection Code

Range name	Pole no	Rated current	IP	Rated voltage	Reference
HDP	3	32	IP44	1	
HDPM: Moving industrial plugs	3: 2P+E	16: 16A 32: 32A	IP44: IP44	1: 110~130V	HDP316IP44 HDP332IP44
	4: 3P+E			Default: 230~250V	HDP316IP44 HDP332IP44
	5: 3P+N+E	63: 63A 125: 125A	IP67: IP67	Default: 400~415V	HDP416IP44 HDP432IP44
	3: 2P+E			Default: 230~400V	HDP516IP44
	4: 3P+E			Default: 240~415V	HDP532IP44
	5: 3P+N+E	63: 63A 125: 125A	IP67: IP67	Default: 230~250V	HDP363IP67
	4: 3P+E			Default: 400~415V	HDP463IP67
	5: 3P+N+E			Default: 230~400V	HDP563IP67
HDP: Fixed industrial plugs	3: 2P+E	16: 16A 32: 32A	IP44: IP44	1: 110~130V	HDP316IP44 HDP332IP44
	4: 3P+E			Default: 230~250V	HDP316IP44 HDP332IP44
	5: 3P+N+E	63: 63A 125: 125A	IP67: IP67	Default: 400~415V	HDP416IP44 HDP432IP44
	3: 2P+E			Default: 230~400V	HDP516IP44
	4: 3P+E			Default: 240~415V	HDP532IP44
	5: 3P+N+E	63: 63A 125: 125A	IP67: IP67	Default: 230~250V	HDP363IP67
	4: 3P+E			Default: 400~415V	HDP463IP67
	5: 3P+N+E			Default: 230~400V	HDP563IP67
HDSM: Moving Industrial sockets	3: 2P+E	16: 16A 32: 32A	IP44: IP44	1: 110~130V	HDSM316IP44 HDSM332IP44
	4: 3P+E			Default: 230~250V	HDSM316IP44 HDSM332IP44
	5: 3P+N+E	63: 63A 125: 125A	IP67: IP67	Default: 400~415V	HDSM416IP44 HDSM432IP44
	3: 2P+E			Default: 230~400V	HDSM516IP44
	4: 3P+E			Default: 240~415V	HDSM532IP44
	5: 3P+N+E	63: 63A 125: 125A	IP67: IP67	Default: 230~250V	HDSM363IP67 HDSM3125IP67
	4: 3P+E			Default: 400~415V	HDSM463IP67 HDSM4125IP67
	5: 3P+N+E			Default: 230~400V	HDSM563IP67 HDSM5125IP67

Industrial Plugs & Sockets

Standard: IEC 60309-1-2



HDSF: Fixed industrial sockets



Input&output	Rated current	Rated voltage	Reference	Pole no.
3: 2P+E	16: 16A 32: 32A	IP44: IP44	1: 110~130V	HDSF316IP44 HDSF332IP44
4: 3P+E			Default: 230~250V	HDSF316IP44 HDSF332IP44
5: 3P+N+E	63: 63A 125: 125A	IP67: IP67	Default: 400~415V	HDSF416IP44 HDSF432IP44
3: 2P+E			Default: 230~400V	HDSF516IP44
4: 3P+E			Default: 240~415V	HDSF532IP44
5: 3P+N+E	63: 63A 125: 125A	IP67: IP67	Default: 230~250V	HDSF363IP67 HDSF3125IP67
4: 3P+E			Default: 400~415V	HDSF463IP67 HDSF4125IP67
5: 3P+N+E			Default: 230~400V	HDSF563IP67 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	HDP316230 HDP316110	2P+E
	4: 1 Plug & 3 Sockets		230: 230V 110: 110V	HDP416230 HDP416110	

Technical parameters

Industrial Plugs & Sockets	HDP, HDSM, 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



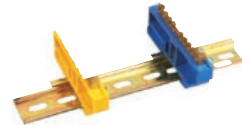
HDSF



HDSM

HTB Copper Terminal Blocks

Standard: EN 61439-6



Range presentation

HTB is Himel range of Copper Terminal 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 typ	0609: 6mm*9mm	W4: 4 holes	Y: Yellow	HTB0100609W4*	5.2	35x7.5	88.5x12.1
			W6: 6 holes	B: Blue	HTB0100609W6*			88.5x12.1
			W8: 8 holes		HTB0100609W8*			88.5x12.1
			W10: 10 holes		HTB0100609W10*			88.5x12.1
			W12: 12 holes		HTB0100609W12*			90.5x12.1
			W14: 14 holes		HTB0100609W14*			103.5x12.1
	W16: 16 holes		HTB0100609W16*	116.5x12.1				
	0812: 8mm*12mm	W4: 4 holes	Y: Yellow	HTB0100812W4*	6		88.5x12.1	
		W6: 6 holes	B: Blue	HTB0100812W6*			88.5x12.1	
		W8: 8 holes		HTB0100812W8*			88.5x12.1	
		W10: 10 holes		HTB0100812W10*			88.5x12.1	
		W12: 12 holes		HTB0100812W12*			102.5x12.1	
W14: 14 holes			HTB0100812W14*	117.5x12.1				
W16: 16 holes		HTB0100812W16*	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	B: Blue	HTB0190609W4*	5.2		76.5x12.5
			W6: 6 holes	G: Green	HTB0190609W6*			89.5x12.5
			W8: 8 holes		HTB0190609W8*			102.5x12.5
			W10: 10 holes		HTB0190609W10*			115.5x12.5
			W12: 12 holes		HTB0190609W12*			128.5x12.5
			W14: 14 holes		HTB0190609W14*			141.5x12.5
	W16: 16 holes		HTB0190609W16*	154.5x12.5				
	0812: 8mm*12mm	W4: 4 holes	B: Blue	HTB0190812W4*	6		71.5	
		W6: 6 holes	G: Green	HTB0190812W6*			84.5x12.5	
		W8: 8 holes		HTB0190812W8*			99.5x12.5	
		W10: 10 holes		HTB0190812W10*			114.5x12.5	
		W12: 12 holes		HTB0190812W12*			129.5x12.5	
W14: 14 holes			HTB0190812W14*	144.5x12.5				
W16: 16 holes		HTB0190812W16*	159.5x12.5					

HTB Copper 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	B: Blue	HTB0070609W6*	5.2	44.5	58.5x29
			W8: 8 holes	G: Green	HTB0070609W8*			65.5x29
			W10: 10 holes		HTB0070609W10*			78.5x29
			W12: 12 holes		HTB0070609W12*			91.5x29
			W14: 14 holes		HTB0070609W14*			104.5x29
			W16: 16 holes		HTB0070609W16*			117.5x29
	0812: 8mm*12mm	W6: 6 holes	B: Blue	HTB0070812W6*	6	52.5	68.5x28.5	
		W8: 8 holes	G: Green	HTB0070812W8*			77.5x28.5	
		W10: 10 holes		HTB0070812W10*			92.5x28.5	
		W12: 12 holes		HTB0070812W12*			107.5x28.5	
		W14: 14 holes		HTB0070812W14*			122.5x28.5	
		W16: 16 holes		HTB0070812W16*			137.5x28.5	

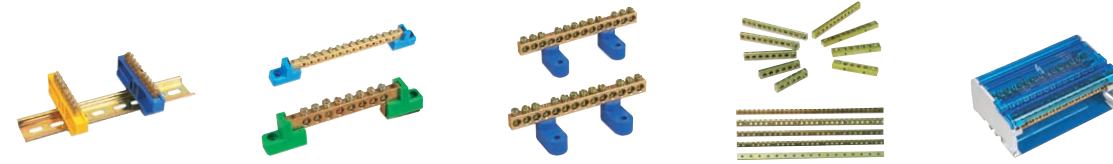
Range name	Type	Cross section	Number of holes	Reference	Hole diameter (mm)	Screw dimension (mm)
HTB	043	1616	W078			
	043: 043 type	1616: 16x16	W78: 78 holes	HTB0431616W078	9	M6*12
		1414: 14x14	W109: 109 holes	HTB0431414W109	7	M6*12
		1010: 10x10	W116: 116 holes	HTB0431010W116	6	M5*10
		0812: 8x12	W116: 116 holes	HTB0430812W116	6.5	M5*10
		0810: 8x10	W116: 116 holes	HTB0430810W116	6	M5*10
		0909: 9x9	W116: 116 holes	HTB0430909W116	5.5	M5*10
		0709: 7x9	W133: 133 holes	HTB0430709W133	5.2	M4*10
		0808: 8x8	W133: 133 holes	HTB0430808W133	5.2	M4*8
		0609: 6x9	W133: 133 holes	HTB0430609W133	5.2	M4*8
		0608: 6x8	W133: 133 holes	HTB0430608W133	5	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	P7: 7 holes	HTB112W2P7	65*45*51	45xM4
		W2: 2 lines	P15: 15 holes	HTB112W2P15	132*45*51	112xM4
		W4: 4 lines	P7: 7 holes	HTB112W4P7	65*88*51	45xM4
		W4: 4 lines	P11: 11 holes	HTB112W4P11	100*88*51	80xM4
		W4: 4 lines	P15: 15 holes	HTB112W4P15	132*88*51	112xM4

Panel Components

HTB Copper Terminal Blocks

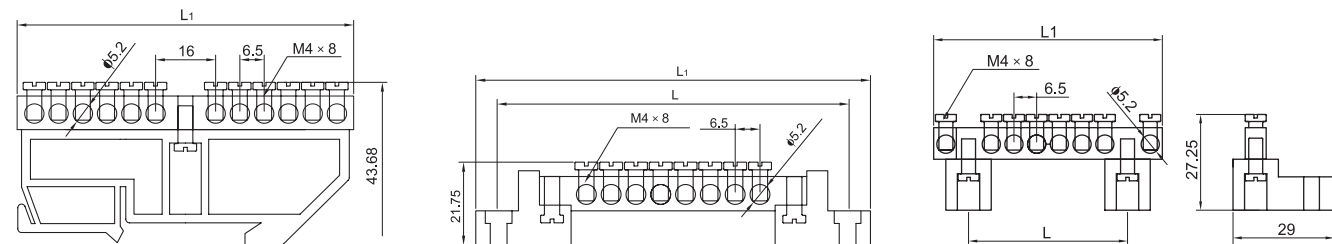
Standard: EN 61439-6



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

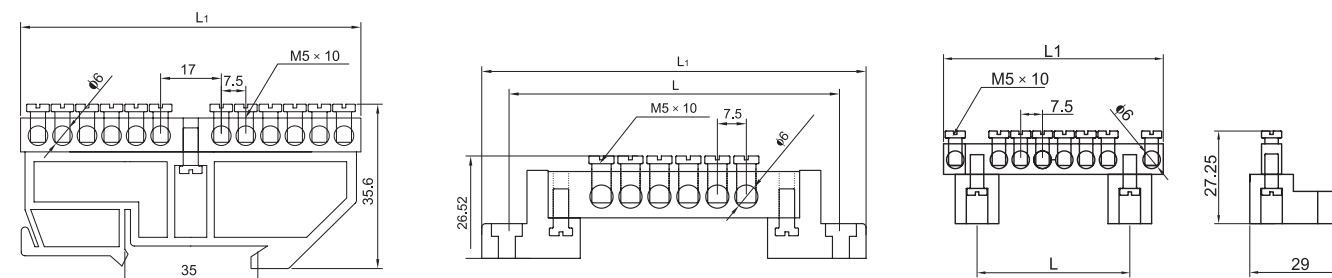
Dimensions



HTB0100609

HTB0190609

HTB0070609



HTB0100812

HTB0190812

HTB0070812

Panel Components

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	Metric	12	IP68	W: Gray					

	Metric	12	IP68	W: Gray	HCFMG12IP68B	HCFMG12IP68W	7.6-4.6	12.5	8.5	18/19
					HCFMG16IP68B	HCFMG16IP68W	10-6	16.5	15	22/22
					HCFMG20IP68B	HCFMG20IP68W	14-9	20.5	15	27/27
					HCFMG25IP68B	HCFMG25IP68W	18-13	25.5	15	33/33
					HCFMG32IP68B	HCFMG32IP68W	25-18	33	15	41/41
					HCFMG40IP68B	HCFMG40IP68W	30-24	41	20	50/50
					HCFMG50IP68B	HCFMG50IP68W	41-30	51	22	62/62
HCFMG63IP68B	HCFMG63IP68W	51-40	64	25	75/75					
	German	12	IP54	W: Gray	-	HCFPG7IP54W	7-3.5	12.5	8	17/19
					-	HCFPG9IP54W	8-4.5	15.2	8.5	22/19
					-	HCFPG11IP54W	10.5-6	18.6	9	24/22
					-	HCFPG135IP54W	12.5-7.5	20.4	9.6	27/24
					-	HCFPG16IP54W	14-8.5	22.5	10	30/27
					-	HCFPG21IP54W	18-12.5	28.3	12	36/33
					-	HCFPG29IP54W	25-18	37	15	46/41
					-	HCFPG36IP54W	30-23	47	15	57/50
					-	HCFPG42IP54W	39-30	54	15.5	64/62
					-	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

Panel Components

HDIN DIN Rail

Standard: EN 60947-1



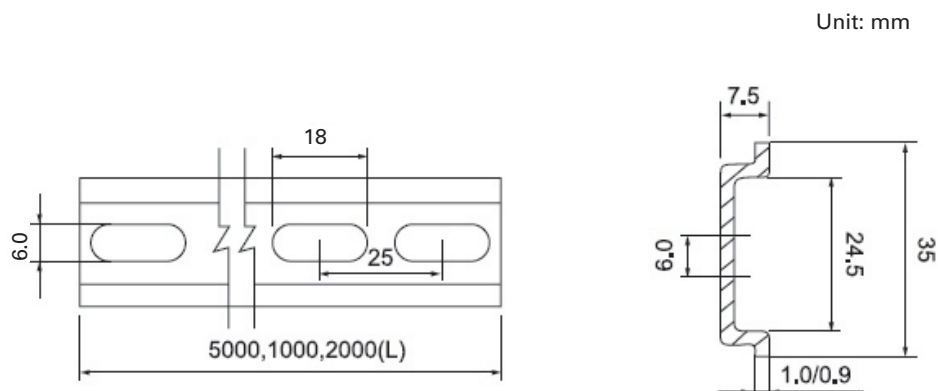
Range presentation

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

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



Online content



HDIN

Panel Components

HDKUS Switch Mode Power Supply

Standard: EN 61558-1, EN 61558-2-16,
EN 61000-6-2, EN 61000-6-4



Range presentation

HDKUS 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.

Selection code

Range name	Rated power	Output voltage
HDKUS	50	12
HDKUS	35: 35W 50: 50W 75: 75W 100: 100W 150: 150W 200: 200W 350: 350W	05: 5V 12: 12V 24: 24V 36: 36V 48: 48V

Features

- ◆ 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.

Online content



HDKUS

Technical parameters							
Switch Mode Power Supply	HDKUS						
Rated power	35W	50W	75W	100W	150W	200W	350W
AC Input voltage	100-264 V (actual input voltage range: 90-264 V)					85-132 V / 176-264 V (can be switched)	
AC Input frequency	47-63 Hz						
Output stability	≤1%						
Load regulation rate	≤1% (standard)						
Micro regulation range of output voltage	±10% (rated output voltage)						
Ripple and noise	≤1% peak value (100mVp-p standard)						
Overvoltage protection	110%-140% (protection mode: output is tripped, and it will be recovered automatically when the abnormal condition is eliminated)						
Overload protection	110%-150% (protection mode: hiccup mode is activated, and it will be recovered automatically when the abnormal condition is eliminated)						
Over-temperature protection	-					100±5°C	
Output loop	Single						

Panel 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 & Multi-output type	For Multi-input & Multi-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

Metering



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)

HDTS607 Three-phase Four-wire Watt-hour Meters



HDTS607

Rated current: 1.5(6)A, 2.5(10)A, 5(20)A, 5(30)A, 10(40)A, 15(60)A, 20(80)A, 30(100)A
 Connection type: three-phase Four-wire
 Accuracy: class 1, class 2
 Frequency: 50/60Hz

H72 & H96 Panel Meters



H96

H72

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

HDDS606 Single-phase Watt-hour Meters



HDDS606

Rated current: 1.5(6)A, 2.5(10)A, 5(20)A, 5(30)A, 10(40)A, 15(60)A, 20(80)A, 30(100)A
 Connection type: single-phase
 Accuracy: class 1, class 2
 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

Metering

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 multifunction
- 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

Online content



HP606

Selection code

Range name	Input mode	Panel dimension	Meter structure	Display mode	Range
HP*606	L	72	P	1	□
HPA606: HPA606 Amperemeter HPZ606: HPZ606 Voltmeter HPD606: HPD606 Combination meter HPDM606: HPDM606 Multifunction meter	L: AC	72: 72x72 mm 96: 96x96 mm 48: 96x48 mm (only for single-phase meter)	P: Programmable Display Instrument K: DO T: RS485 S: DO+RS485	1: One-row LED display 4: Three-row LED display 3Y: Three-phase LCD display (only for multifunction meter)	Voltmeter: Y: 100V O: 600V Amperemeter: 5A: Secondary 5A 1A: Secondary 1A Combination & Multifunction meter: O5A: 600V5A / O1A: 600V1A Y5A: 100V5A / Y1A: 100V1A (Special type can be customized)

Technical parameters				
Digital Power Meters		HP606		
Input	Network system	Single-phase & Three-phase		
	Voltage	Overload	Continuous: 1.2xUn; Instantaneous: 2xUn for lasting 1s	
	Current	Overload	Continuous: 1.2xIn; Instantaneous: 10xIn for lasting 5s	
	Frequency	45~65Hz		
Function module	Switch output	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	(1) Long lifecycle and highlighted LED display; (2) Wide viewing LCD display		
Accuracy class	Voltage, current, frequency, active power, reactive power, power factor	Class 0.5		
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			

Power & Energy Management

H72 & H96 Panel Metering

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	5: 5A 20: 20A ... 5000: 5000A 10000: 10000A	Default: External transformer connection A: Direct connection (1-20A)
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

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

Metering

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)	Φ30	Φ40	Φ50	Φ60	Φ80	Φ100	Φ120
Rated primary current to select (A)	30 50 75 100 150 200	250 300 400 500	300 400 500 600 750 800 1000	500 600 750 800 1000 1200 1500	600 750 800 1000 1200 1500 2000 2500	600 750 800 1000 1200 1500 2000 2500 3000	1500 2000 2500 3000 4000 5000

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	I _{th} =100I _n
Security coefficient security coefficient	FS<5
Standard	IEC 60044-1

Power & Energy Management

HDDS & HDTS Energy Metering

Standard: IEC62053-21



Range presentation

HDDS606 and HDTS607 are Himel ranges of Energy 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

- ◆ Different display modes
- ◆ Optional function can be selected: RS485 & infrared

Online content



HDDS606



HDTS606

Selection code

Range name	Voltage	Accuracy	Current specification	Frequency	Connection	Display mode	Optional function
HDDS606	N	1	6M4	6	H	CD	485
HDDS606: Single-phase Electronic Watt-Hour Meter	N: 230V	1: ±1% 2: ±2%	6M4: 1.5(6)A 10M4: 2.5(10)A ... 100M3: 30(100)A	Default: 50Hz 6: 60Hz	H: Connect via VT/CT (only for dial display) Default: Direct connection	CD: LCD display Default: Dial display	485: 485 interface I: infrared Default: without any optional function
HDTS607: Three-phase Four-wire Electronic Watt-Hour Meter	NV: 230V	1: ±1% 2: ±2%	6M4: 1.5(6)A 10M4: 2.5(10)A ... 100M3: 30(100)A	Default: 50Hz 6: 60Hz	H: Connect via VT/CT (only for dial display) Default: Direct connection	Default: Dial display	485: 485 interface I: infrared Default: without any optional function

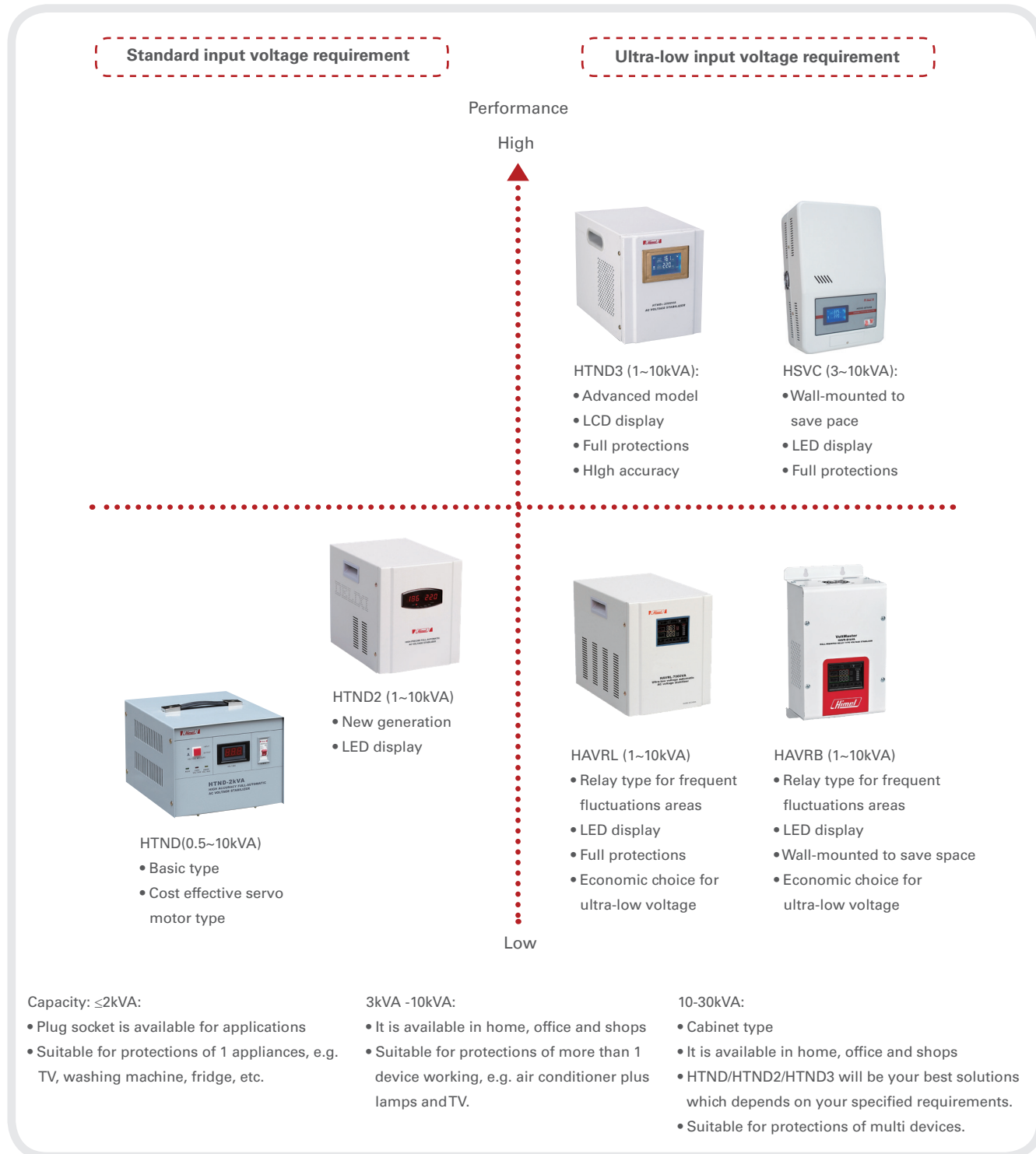


Technical parameters		
Energy Meters	HDDS606	HDTS607
Connection method	Single-phase	Three-phase Four-wire
Accuracy	Class 1, Class 2	
Rated voltage (V)	230	3*57.7/100 3*220/380
Current specification	1.5(6)A, 2.5(10)A, 5(20)A, 5(30)A, 10(40)A, 15(60)A, 20(80)A, 30(100)A	3*57.7/100V: 3*1.5(6)A, 3*3(6)A 3*220/380V: 3*1.5(6)A, 3*3(6)A, 3*5(20)A, 3*10(40)A, 3*15(60)A, 3*20(80)A, 3*30(100)A
Display Mode	Dial or LCD display	Dial display
Optional functions	Infrared communication, 485 communication	
Normal working voltage	0.9-1.1 (Reference voltage)	
Ultimate working voltage	0.8-1.15 (Reference voltage)	

Voltage Stabilizer



Selection guide for single phase voltage stabilizers



Voltage Stabilizer

HTND Single phase Voltage Stabilizers



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

HSJW Three-phase Full-Automatic AC Voltage Stabilizers



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

HSVC Single phase wall-mounted Voltage Stabilizers



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

HSBW Three-phase Full-Automatic AC Voltage Stabilizers



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

HAVRL Single phase Voltage Stabilizers



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

HAVRB Single-Phase Relay Type Wall-Mounted Voltage Stabilizer NEW



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

Voltage Stabilizer

Voltage Stabilizers

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



Easy Selection Guide for Single-phase Voltage Stabilizer

Capacity: ≤2kVA:

- 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 requirements.
- Suitable for protections of multi devices.

Product Overview

Single-Phase Voltage Stabilizer

◆ Servo motor type

- HTND
- HTND2
- HTND3
- HSVC

◆ Relay type

- HAVRL
- HAVRB

Three-Phase Voltage Stabilizer

◆ Servo motor type

- HSJW
- HSBW

Online content



HTND

HTND2



HTND3

Selection code

Range name	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
HTND2: 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
HTND3: 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.

Voltage Stabilizer

HTND Servo Type Voltage Stabilizers

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

Range Presentation

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

Portfolio for HTND family (not customized type)



	HTND	HTND2	HTND3
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
Overvoltage	√	√	√
Short circuit	√	√	√
Overload	*	*	√
Undervoltage (output)	*	√	√
Temperature rise	*	*	√
Time delay	*	*	√
By-pass	*	*	*

Note:

- ◆ "*" means optional functions for this series, which is required to be customized;
- ◆ Even though 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;
- ◆ By-pass is not available for 30kVA.

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 offered separately if required.

Voltage Stabilizer

HTND Servo Type 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	0.5~10kVA: 150~250V 15~30kVA: 150~290V	1~10kVA: 150~250V 15~30kVA: 150~290V	1~10kVA: 140~250V 15~20kVA: 140~300V 30kVA: 155~285V
Customized input range	V	100-240	85-250	
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
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)	LED	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		

Voltage Stabilizer

HSVC & HAVR Single Phase Voltage Stabilizers

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

Portfolio for HSVC & HAVRL & HAVRB (not customized type)



Type	HSVC-B	HAVRL		HAVRB	
		Standard Model	Economic Model		
Description					
Single phase full automatic AC voltage stabilizer					
Characteristics	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:

- ◆ "*" means optional functions for this series, which is required to be customized;
- ◆ "•" 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;
- ◆ 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)
- √ Carbon brush (only for HSVC)
- √ PCB
- √ Limit switch (only for HSVC)
- √ Relay (only for HAVRL)
- √ Regulating coil
- √ Screen

Voltage Stabilizer

HSVC Servo Type Wall-mounted Voltage Stabilizers

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



Range presentation

HSVC 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

Range name	Power rating	Display	Input voltage	Output voltage
HSVCB	5	C	I110	ON
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 ON: Output 230V

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

Technical parameters			
High Precise Wall-mounted Type Voltage Stabilizers		HSVC	
Rated Capacity	kVA	3~7	10
Output Voltage	Accuracy of stabilized voltage	V	220 (or 230) ±4%; 110 (or 115) ±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 or 150-250	
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	

Voltage Stabilizer

HAVR Relay Type Voltage Stabilizers

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

Range name	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	

Voltage Stabilizer

HAVRL Relay Type 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 to 10KVA, and it can solve the frequent fluctuations issue from power grid.

Online content



HAVRL

Selection Code

Range name	Power rating	Connection type	Input voltage
HAVRL	P5	E	I110
HAVRL	P5: 0.5KVA 1: 1KVA 1P5: 1.5KVA ... 10: 10KVA 10G: 10KVA cabinet	E: Europe plug B: British plug H: Terminal connect	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	
Model		Standard Model	Economic Model
Rated capacity	KVA	0.5-10	
Output voltage	Accuracy of stabilized voltage	220±8%; 110±10% (only when capacity is equal or less than 5kVA)	
	Overvoltage protection	250±4	
Range of input voltage	V	85-250	110-250
Customized input range	V	110-250 or 140-250	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	

Voltage Stabilizer

HSJW & HSBW Three-Phase Voltage Stabilizer

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

Portfolio for HSJW & HSBW (not customized type)



		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	
Protection	Certification	CE	-
	Overvoltage	√	√
	Temperature rise	*	*
	Overload	*	*
	Undervoltage (output)	*	√
	Short circuit	√	√
	Time delay	*	*
	By-pass	*	*

Note:

- ◆ "*" means optional functions for this series, which is required to be customized with higher cost;
- ◆ 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.

Voltage Stabilizer

HSJW Three-Phase Voltage Stabilizer

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

Range name	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		SJW	
Rated capacity	KVA	1.5-30	45-60
Output voltage	Accuracy of stabilized voltage	380 (or 400) ±4%	
	Undervoltage protection	320 (or 340) ±7 (not for standard product) can be customized	
	Overvoltage protection	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	°C	-5°C ~+40°C	
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	

Voltage Stabilizer

HSBW Three-Phase Voltage Stabilizer

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

Range name	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	
Rated capacity	KVA	10~2000	
Output voltage	Accuracy of stabilized voltage	380 (or 400) ±3%	
	Undervoltage protection	320 (or 340) ±7	
	Overvoltage protection	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	°C	-5°C ~+40°C	
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	

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

Prime V2 Series Wiring Devices **NEW**



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

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

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

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

Click Eco Series Wiring Devices **NEW**



Timeless design

Click Eco Series

2Pin, American, International

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

Floor Series Wiring Devices **NEW**



Best solution for future buildings

Floor Series

American, International, British

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

Home Electric

Extension Sockets Accessories and Tools **NEW**



Designed for your comfort

Extension Sockets

Socket Outlet Standard: Euro
Standard: IEC60884
Cable net length: 1.4M
Protection level: IP20

Tool Boxes Accessories and Tools **NEW**



Enhance the way you work

Tool Boxes

Set: 8 pieces / 18 pieces

Cable Ties Accessories and Tools **NEW**



The unmissable product for electricians

Cable Ties

Color: Black / White / Colorful
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

Electrical Tape

Flame retardant material
Available in a range of sizes and colors

Smart Series Home Accessories **NEW**



Smart Series

Connected Home made Affordable

Socket Outlet Standard: British, Euro, American
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 2 Way Switch
 Box: 10
 Carton: 100



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

Advanced Series

British Wiring Devices



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



HWDA3S2
10A 3 Gang 1 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 2 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 1 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



HWDAD3
630W Dimmer
Box: 8
Carton: 80



HWDAD10
1000W Dimmer
Box: 8
Carton: 80



HWD AFC3
230W Fan Controller
Box: 8
Carton: 80

Socket Outlets



HWDA13S
13A Socket
Box: 10
Carton: 100



HWDA13SS
13A Switched Socket
Box: 10
Carton: 100



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

Advanced Series

British Wiring Devices



HWDAT13SS
13A Twin Switched
Socket
Box: 5
Carton: 50



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



HWDAT13SND
13A Twin Switched Socket
with double pole with neon
Box: 5
Carton: 50



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



HWDA15SS
15A Switched Socket
Box: 10
Carton: 100



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



HWDAUS
20A Universal Socket
Box: 10
Carton: 100



HWDAUSUSB
20A Universal Socket + 2USB
Box: 8
Carton: 80



HWDA20S
1 Gang 20A DP Switch
Box: 10
Carton: 100



HWDA45S
1 Gang 45A DP Switch
Box: 10
Carton: 100



HWDA45ST
1 Gang 45A DP Switch
(146 Type)
Box: 5
Carton: 50

Telecommunication Accessories



HWDA45C
45A Technical Connector
Box: 10
Carton: 100



HWDA1TS
RJ11 Telephone Socket
Box: 10
Carton: 100



HWDA2TS
2 RJ11 Telephone Socket
Box: 10
Carton: 100



HWDA1DS
RJ45 Data Socket
Box: 10
Carton: 100



HWDA2DS
2 RJ45 Data Socket
Box: 10
Carton: 100



HWDA1SS
Satellite Socket
Box: 10
Carton: 100



HWDA1S1T
Satellite + RJ11 Tel Socket
Box: 10
Carton: 100



HWDASTS
Sensitive Time Switch
Box: 8
Carton: 80



HWDAB
Blank Plate
Box: 20
Carton: 200

Advanced Series

British Wiring Devices



HWDA13FCU
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 appearance. 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
<p>A: Advanced S: Style M: Modern C: Click CE: Click Eco P: Prime V2</p>	<p>You may replace XX codes by functionality codes listed below</p>

Online content



Prime V2

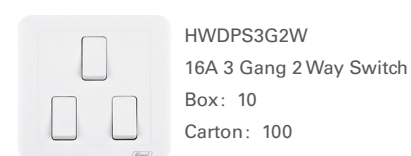
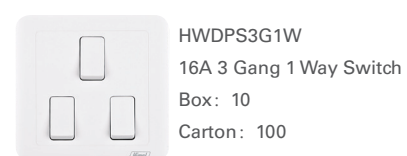
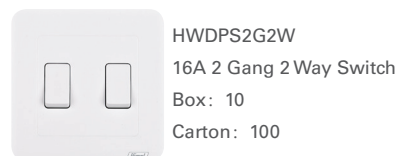
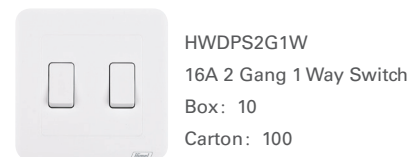
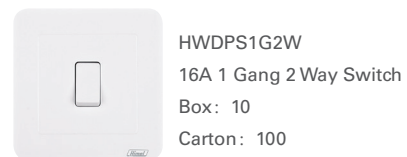
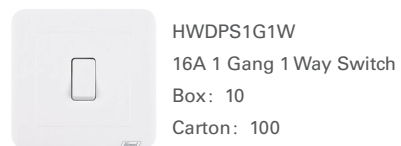
PRIME SERIES



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



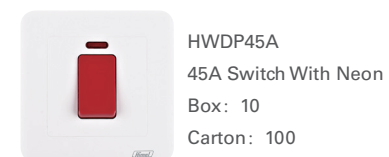
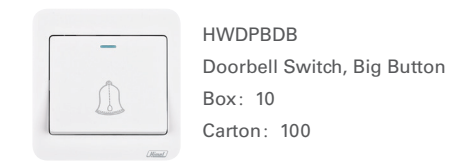
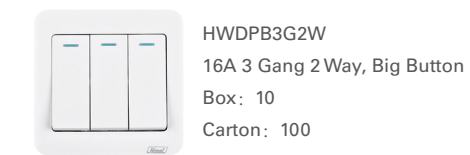
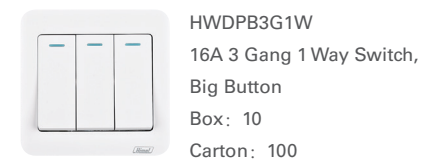
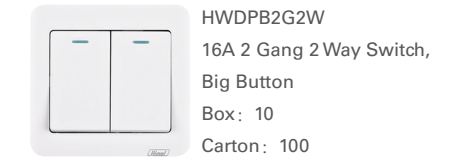
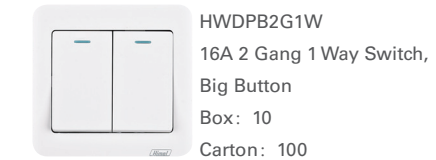
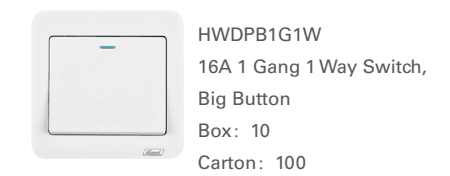
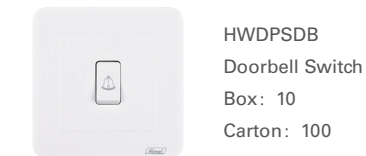
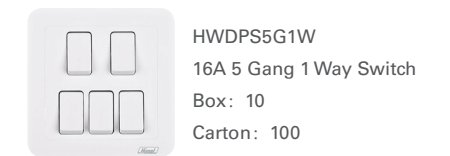
Switches



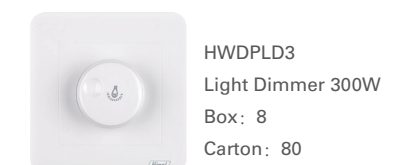
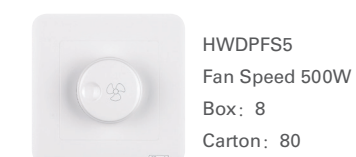
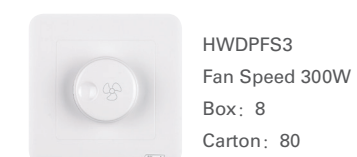
Home Electric

Prime V2 Series

British Wiring Devices



Dimmers



Prime V2 Series

British Wiring Devices





HWDP1D5
Light Dimmer 500W
Box: 8
Carton: 80




HWDP1D10
Light Dimmer 1000W
Box: 8
Carton: 80



HWDP1D15
Light Dimmer 1500W
Box: 8
Carton: 80




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




HWDP1GD5
1 Gang Switch With Dimmer 500W
Box: 8
Carton: 80


Socket Outlets




HWDP13AS
13A Socket
Box: 10
Carton: 100




HWDP13ASS
13A Switched Socket
Box: 10
Carton: 100




HWDP13ASSN
13A Switched Socket With Neon
Box: 10
Carton: 100




HWDP13ASSN2USB
13A Switched Socket + 1USB
Box: 8
Carton: 80



HWDP13ASSN2USB
13A Switched Socket + 2USB
Box: 8
Carton: 80



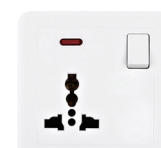
HWDPMF
13A MF Socket
Box: 10
Carton: 100




HWDP13ASSN2USB
13A Switched Socket + 2USB
Box: 8
Carton: 80



HWDPMFS
13A MF Switched Socket
Box: 10
Carton: 100




HWDPMFSN
13A MF Switched Socket With Neon
Box: 10
Carton: 100




HWDPMFSN2USB
13A MF Switched Socket With Neon + 1USB
Box: 8
Carton: 80




HWDPMFSN2USB
13A MF Switched Socket With Neon + 2USB
Box: 8
Carton: 80



HWDP15SS
15A Switched Socket
Box: 10
Carton: 100



HWDP15SSN
15A Switched Socket With Neon
Box: 10
Carton: 100




HWDP5PS
13A 5Pin MF Socket
Box: 10
Carton: 100



HWDP5PSS
13A 5Pin MF Switched Socket
Box: 10
Carton: 100

Prime V2 Series


British Wiring Devices


HWDP5PSSN
13A 5Pin MF Switched Socket With Neon
Box: 10
Carton: 100




HWDP5PSSN2USB
13A 5Pin MF Switched Socket With Neon + 1USB
Box: 8
Carton: 80




HWDP5PSSN2USB
13A 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
2X13A 5Pin MF Switched Socket
Box: 5
Carton: 50




HWDP2MFSN
2X13A 5Pin MF Switched Socket With Neon
Box: 5
Carton: 50




HWDP2MFSN2USB
2X13A 5Pin MF Switched Socket With Neon + 2USB
Box: 5
Carton: 50




HWDP2PEUR
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

Prime V2 Series

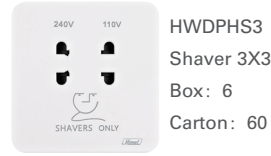
British Wiring Devices



Accessories



HWDP45AO
45A outlet
Box: 10
Carton: 100



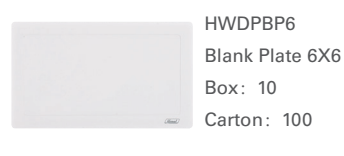
HWDPHS3
Shaver 3X3
Box: 6
Carton: 60



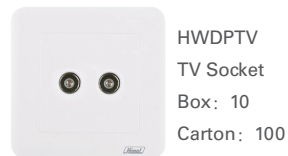
HWDPHS6
Shaver 3X6
Box: 3
Carton: 30



HWDPBP3
Blank Plate 3X3
Box: 20
Carton: 200



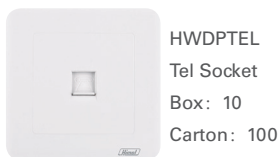
HWDPBP6
Blank Plate 6X6
Box: 10
Carton: 200



HWDP2TV
TV Socket
Box: 10
Carton: 100



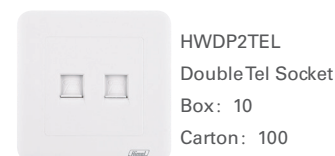
HWDP2TEL
Double TV Socket
Box: 10
Carton: 100



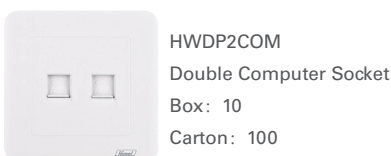
HWDPTEL
Tel Socket
Box: 10
Carton: 100



HWDP2COM
Computer Socket
Box: 10
Carton: 100



HWDP2COMTEL
Computer+Tel Socket
Box: 10
Carton: 100



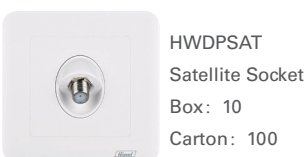
HWDP2COM
Double Computer Socket
Box: 10
Carton: 100



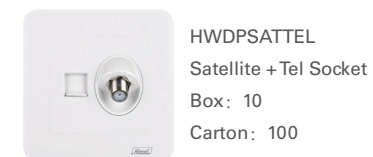
HWDP2COMTEL
Computer+Tel Socket
Box: 10
Carton: 100



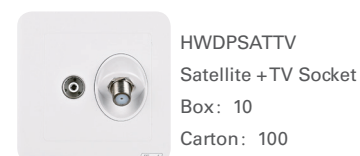
HWDP2TEL
Double Tel Socket
Box: 10
Carton: 100



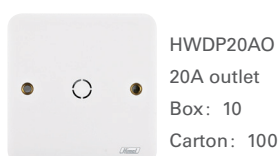
HWDP2COMTEL
Computer+Tel Socket
Box: 10
Carton: 100



HWDP2COMTEL
Computer+Tel Socket
Box: 10
Carton: 100

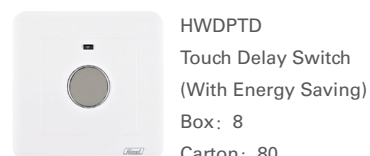


HWDP2COMTEL
Computer+Tel Socket
Box: 10
Carton: 100

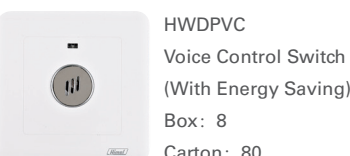


HWDP2COMTEL
Computer+Tel Socket
Box: 10
Carton: 100

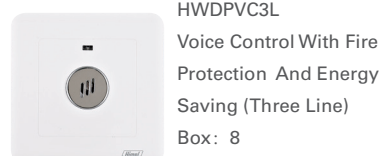
Hotel Accessories



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



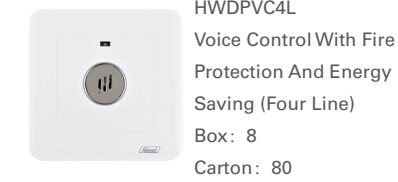
HWDPVC
Voice Control Switch (With Energy Saving)
Box: 8
Carton: 80



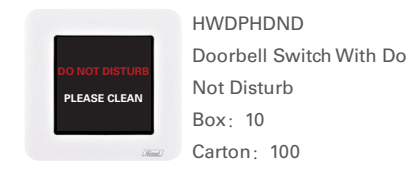
HWDPVC
Voice Control Switch (With Energy Saving)
Box: 8
Carton: 80

Prime V2 Series

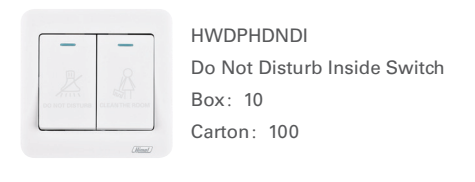
British Wiring Devices



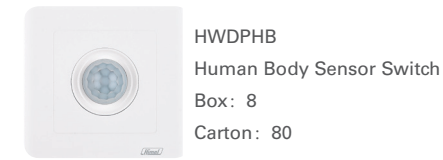
HWDPVC4L
Voice Control With Fire Protection And Energy Saving (Four Line)
Box: 8
Carton: 80



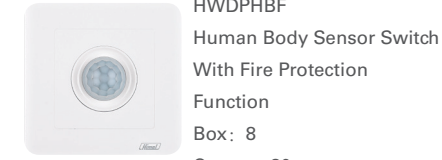
HWDPHDND
Doorbell Switch With Do Not Disturb
Box: 10
Carton: 100



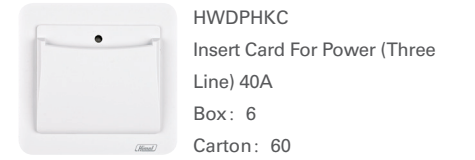
HWDPHDNDI
Do Not Disturb Inside Switch
Box: 10
Carton: 100



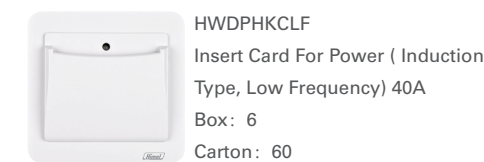
HWDPHB
Human Body Sensor Switch
Box: 8
Carton: 80



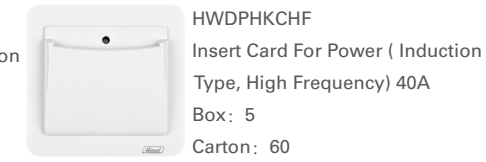
HWDPHB
Human Body Sensor Switch With Fire Protection Function
Box: 8
Carton: 80



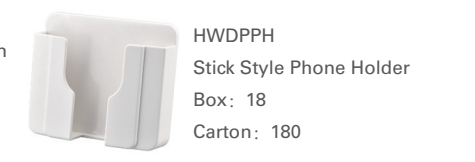
HWDPHKC
Insert Card For Power (Three Line) 40A
Box: 6
Carton: 60



HWDPHKCLF
Insert Card For Power (Induction Type, Low Frequency) 40A
Box: 6
Carton: 60



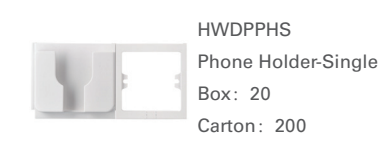
HWDPHKCHF
Insert Card For Power (Induction Type, High Frequency) 40A
Box: 5
Carton: 60



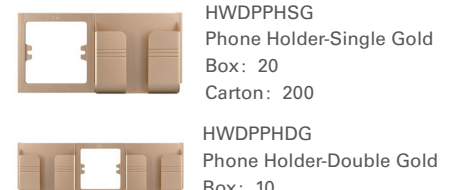
HWDPH
Stick Style Phone Holder
Box: 18
Carton: 180



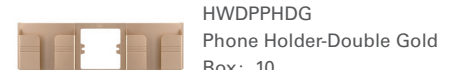
HWDPHSG
Stick Style Phone Holder Gold
Box: 18
Carton: 180



HWDPHS
Phone Holder-Single
Box: 20
Carton: 200



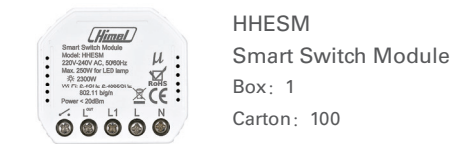
HWDPHSG
Phone Holder-Single Gold
Box: 20
Carton: 200



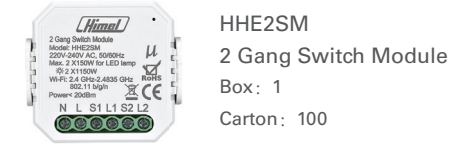
HWDPHSG
Phone Holder-Single Gold
Box: 10
Carton: 100

Future Ready

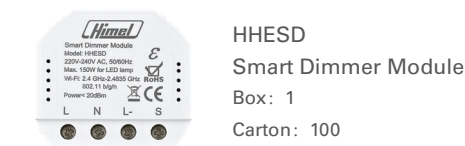
Upgrade your Prime Series switches with our WIFI Smart modules



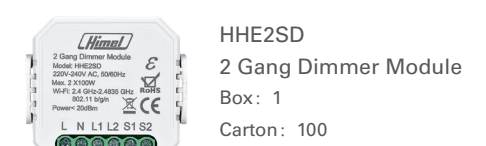
HHESM
Smart Switch Module
Box: 1
Carton: 100



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



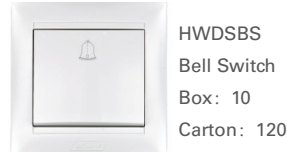
HWDS2SL
2 Gang 1 Way Switch with LED
Box: 10
Carton: 120

Style Series

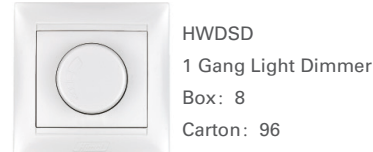
European Wiring Devices



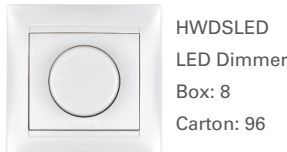
HWDSPB
Push Button
Box: 10
Carton: 120



HWDSBS
Bell Switch
Box: 10
Carton: 120



HWDS1
1 Gang Light Dimmer
Box: 8
Carton: 96

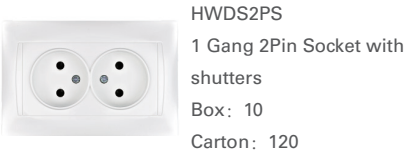


HWDSLED
LED Dimmer
Box: 8
Carton: 96

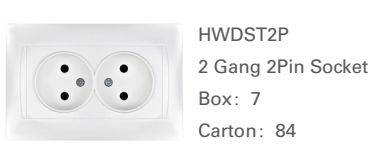
Socket Outlet



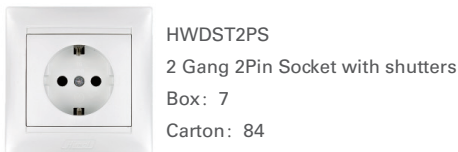
HWDS2P
1 Gang 2Pin Socket
Box: 10
Carton: 120



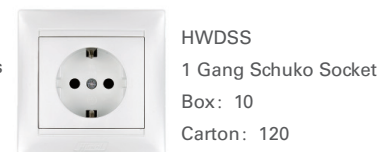
HWDS2PS
1 Gang 2Pin Socket with shutters
Box: 10
Carton: 120



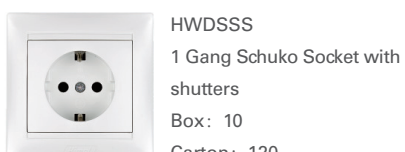
HWDST2P
2 Gang 2Pin Socket
Box: 7
Carton: 84



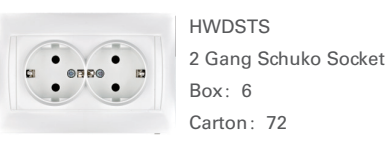
HWDST2PS
2 Gang 2Pin Socket with shutters
Box: 7
Carton: 84



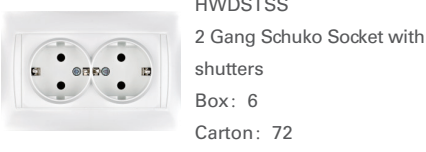
HWDS1
1 Gang Schuko Socket
Box: 10
Carton: 120



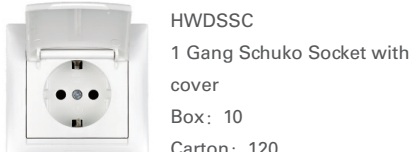
HWDS1
1 Gang Schuko Socket with shutters
Box: 10
Carton: 120



HWDST2
2 Gang Schuko Socket
Box: 6
Carton: 72



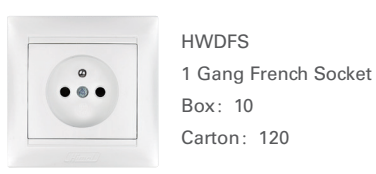
HWDSTSS
2 Gang Schuko Socket with shutters
Box: 6
Carton: 72



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



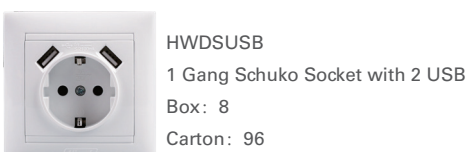
HWDSSCS
1 Gang Schuko Socket with cover with shutters
Box: 10
Carton: 120



HWDF1
1 Gang French Socket
Box: 10
Carton: 120



HWDFSS
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



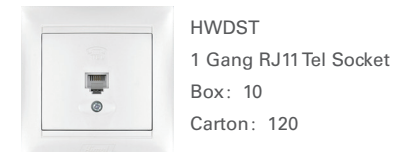
Telecommunication Accessories



HWDS1
1 Gang Data Socket
Box: 10
Carton: 120



HWDS2C
2 Gang Data Socket
Box: 10
Carton: 120



HWDS1
1 Gang RJ11 Tel Socket
Box: 10
Carton: 120



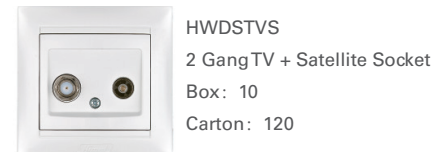
HWDS2T
2 Gang RJ11 Tel Socket
Box: 10
Carton: 120



HWDSTV
1 Gang Isolated TV Socket
Box: 10
Carton: 120

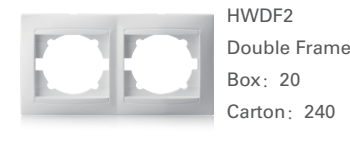


HWDSSA
1 Gang Satellite Socket
Box: 10
Carton: 120



HWDSTVS
2 Gang TV + Satellite Socket
Box: 10
Carton: 120

Flush Plates



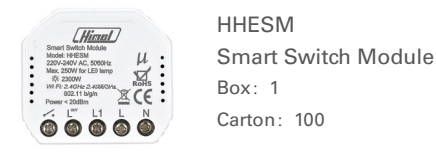
HWDF2
Double Frame
Box: 20
Carton: 240



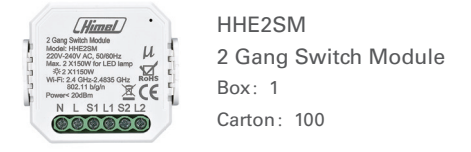
HWDF3
Triple Frame
Box: 18
Carton: 180

Future Ready

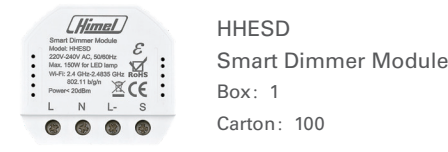
Upgrade your Style Series switches with our WIFI Smart modules



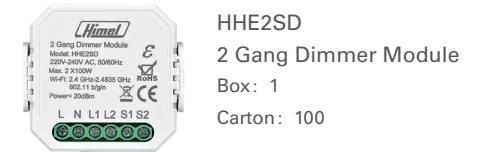
HHESM
Smart Switch Module
Box: 1
Carton: 100



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

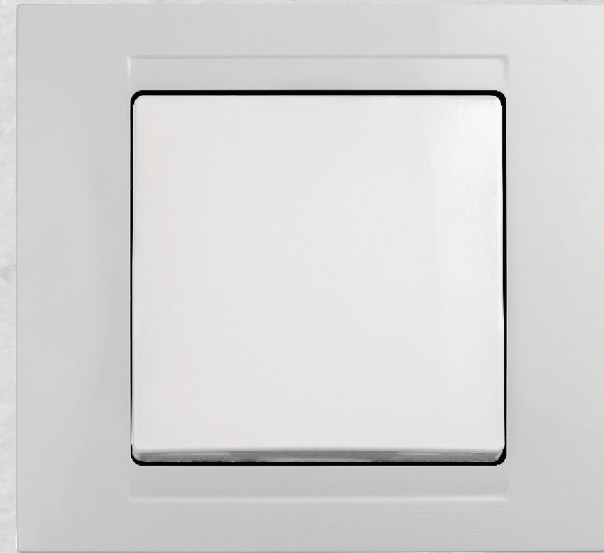


Modern Series

Color selection



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

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		HWDMSTATE 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
	HWDMDS5P3 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



HWDM2DS6
Double Data Socket RJ45,
Cat 6
Box: 15
Carton: 150

HWDM6P3
Data + Phone Socket
(Cat 6 + Cat 3)
Box: 15
Carton: 150

HWDM2DS
Double Data Socket Faceplate
w/o connector
Box: 15
Carton: 150

HWDM5
Audio Socket
Box: 15
Carton: 150

Electronic Group

HDMMS
Movement Detector
Box: 15
Carton: 150

HDMKC
Hotel Key Card Switch
Box: 15
Carton: 150

HWDM1F
Single Frame
Box: 15
Carton: 150

HWDM2F
Double Frame
Box: 15
Carton: 150

HWDM3F
Triple Frame
Box: 15
Carton: 150

HWDM4F
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



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



Brown



Black



Silver

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

Home Electric

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



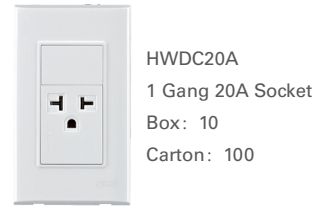
HWDC1S2A
1 Gang 2 Way Switch American Socket
Box: 10
Carton: 100



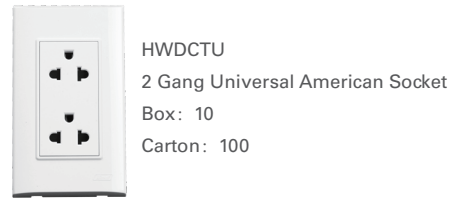
HWDC2A
2 Gang American Socket
Box: 10
Carton: 100

Click Series

American Wiring Devices



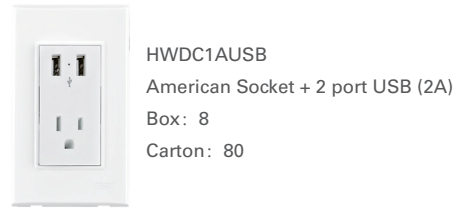
HWDC20A
1 Gang 20A Socket
Box: 10
Carton: 100



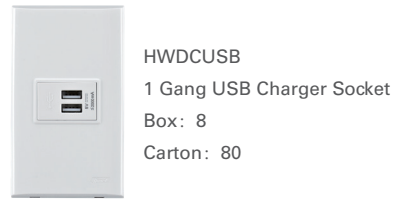
HWDC2TU
2 Gang Universal American Socket
Box: 10
Carton: 100



HWDCMF
2 Gang MF Socket
Box: 10
Carton: 100

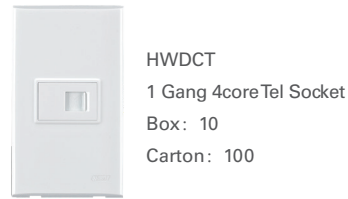


HWDC1AUSB
American Socket + 2 port USB (2A)
Box: 8
Carton: 80

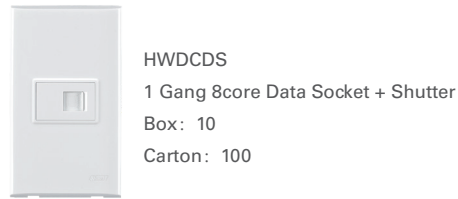


HWDCUSB
1 Gang USB Charger Socket
Box: 8
Carton: 80

Telecommunication Accessories



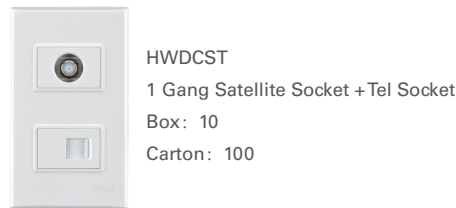
HWDC1
1 Gang 4core Tel Socket
Box: 10
Carton: 100



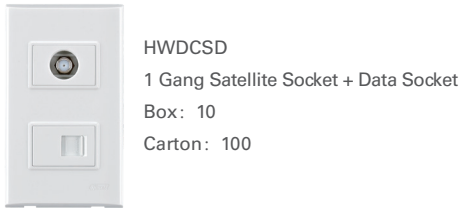
HWDCDS
1 Gang 8core Data Socket + Shutter
Box: 10
Carton: 100



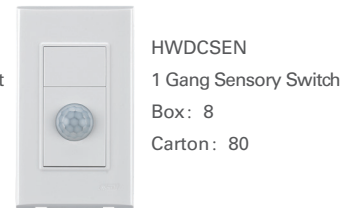
HWDCS
1 Gang Satellite Socket
Box: 10
Carton: 100



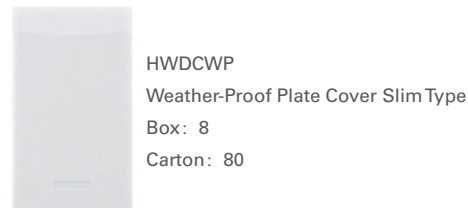
HWDCST
1 Gang Satellite Socket + Tel Socket
Box: 10
Carton: 100



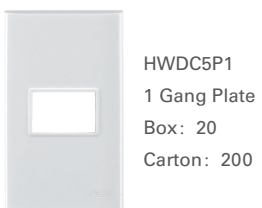
HWDCSD
1 Gang Satellite Socket + Data Socket
Box: 10
Carton: 100



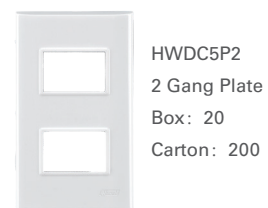
HWDCSEN
1 Gang Sensory Switch
Box: 8
Carton: 80



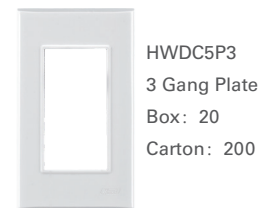
HWDCWP
Weather-Proof Plate Cover Slim Type
Box: 8
Carton: 80



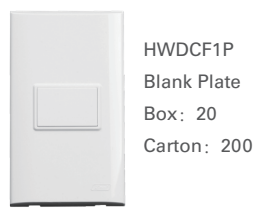
HWDC5P1
1 Gang Plate
Box: 20
Carton: 200



HWDC5P2
2 Gang Plate
Box: 20
Carton: 200



HWDC5P3
3 Gang Plate
Box: 20
Carton: 200



HWDCF1P
Blank Plate
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



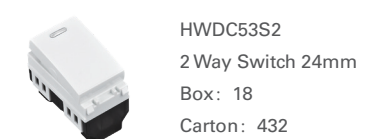
HWDC52S1
1 Way Switch 36mm
Box: 12
Carton: 288



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



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



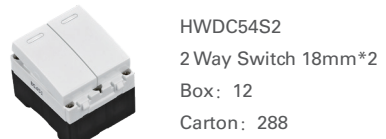
HWDC53S2
2 Way Switch 24mm
Box: 18
Carton: 432



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



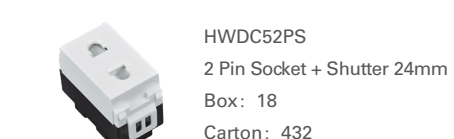
HWDC54S
1 Way Switch 18mm*2
Box: 12
Carton: 288



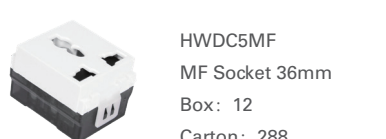
HWDC54S2
2 Way Switch 18mm*2
Box: 12
Carton: 288



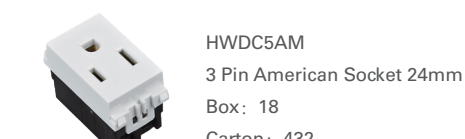
HWDC52P
2 Pin Socket 24mm
Box: 18
Carton: 432



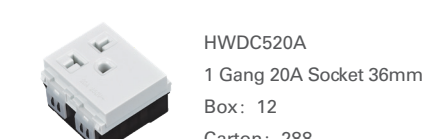
HWDC52PS
2 Pin Socket + Shutter 24mm
Box: 18
Carton: 432



HWDC5MF
MF Socket 36mm
Box: 12
Carton: 288



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



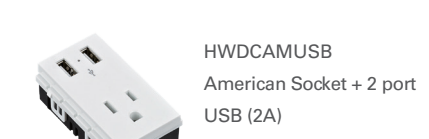
HWDC520A
1 Gang 20A Socket 36mm
Box: 12
Carton: 288



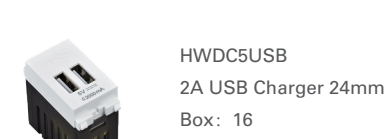
HWDC5TW
Twin Receptacle
Box: 6
Carton: 144



HWDC5TWU
Twin Universal Receptacle
Box: 6
Carton: 144



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



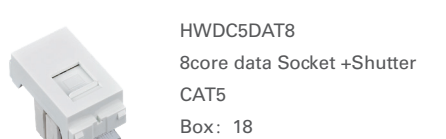
HWDC5USB
2A USB Charger 24mm
Box: 16
Carton: 384



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

HWDC

XXX

- A:** Advanced
- S:** Style
- M:** Modern
- C:** Click
- CE:** Click Eco
- P:** Prime V2

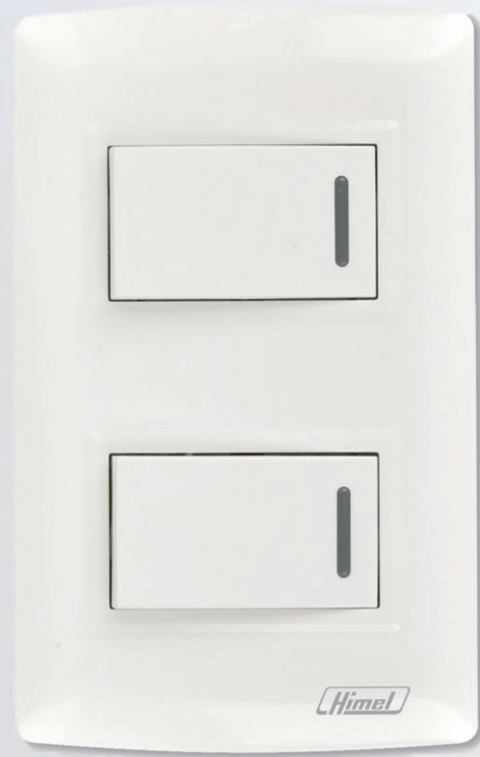
You may replace XX codes by functionality codes listed below

Online content



Click Eco Series

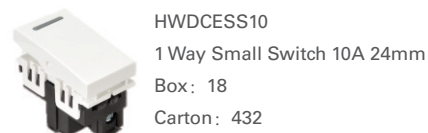
CLICK Eco SERIES



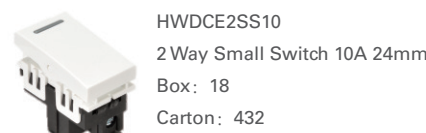
Timeless **Design**
Complete **Solution**
Good **quality & economic**



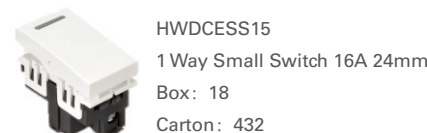
Switches



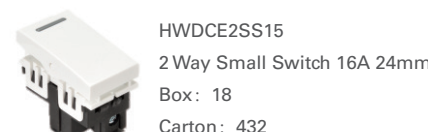
HWDCSS10
1 Way Small Switch 10A 24mm
Box: 18
Carton: 432



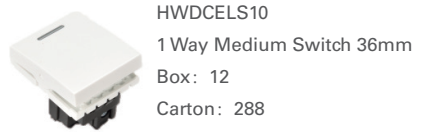
HWDCE2SS10
2 Way Small Switch 10A 24mm
Box: 18
Carton: 432



HWDCSS15
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

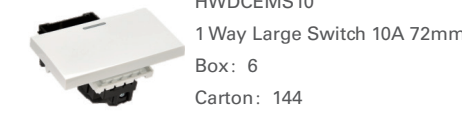


HWDCE2LS10
2 Way Medium Switch 36mm
Box: 12
Carton: 288

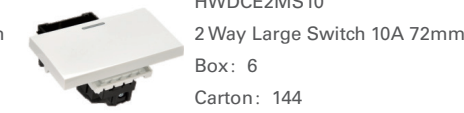
Home Electric

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

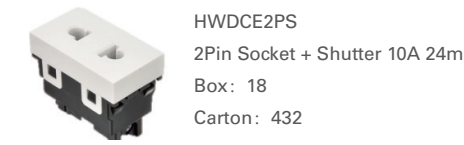


HWDCEBS
Bell Switch 24mm
Box: 18
Carton: 432

Sockets



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



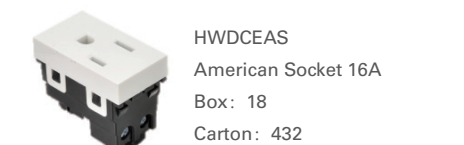
HWDCE2PS
2Pin Socket + Shutter 10A 24mm
Box: 18
Carton: 432



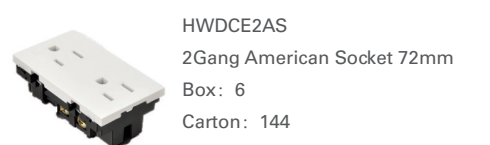
HWDCEFS
2Pin Flat Socket 16A
Box: 18
Carton: 432



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

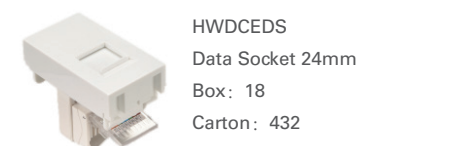


HWDCE2US
2Gang 3P Universal American
Socket 72mm
Box: 6
Carton: 144

Accessories



HWDCEBM
Blank Module 24mm
Box: 36
Carton: 846



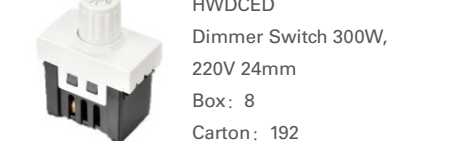
HWDCEDS
Data Socket 24mm
Box: 18
Carton: 432



HWDCE4
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



HWDC1P
1 Gang Plate
Box: 20
Carton: 200



HWDC2P
2 Gang Plate
Box: 20
Carton: 200



HWDC3P
3 Gang Plate
Box: 20
Carton: 200



HWDCBP
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

Selection Code

Range name	Functionality	Material	Application
HHEF	xxx	A	W
F: Floor	FS: Floor Socket FSTAB: Table Socket	A: Aluminum C: Copper	W: Waterproof

Online content



Floor Series

Color selection



Aluminum

Copper

Configuration selection

Empty Box + Module Accessories

3-Module box	<input type="checkbox"/> <input type="checkbox"/> OR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4-Module box	<input type="checkbox"/> <input type="checkbox"/> OR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3-Module * 2 box	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6-Module box	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

FLOOR SERIES



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

Floor Box

- | | | |
|---|--|--|
|  <p>HHEFS1A
POP UP FLOOR SOCKET Alu. Alloy
3-Module box
Box: 1
Carton: 12</p> |  <p>HHEFS1C
POP UP FLOOR SOCKET Brass Alloy
3-Module box
Box: 1
Carton: 20</p> |  <p>HHEFS2A
POP UP FLOOR SOCKET Alu. Alloy
4-Module box
Box: 1
Carton: 20</p> |
|  <p>HHEFS1CW
POP UP WATERPROOF FLOOR SOCKET Brass Alloy
3-Module box
Box: 1
Carton: 20</p> |  <p>HHEFS1AW
POP UP WATERPROOF FLOOR SOCKET Alu. Alloy
3-Module box
Box: 1
Carton: 20</p> |  <p>HHEFS2C
POP UP FLOOR SOCKET Brass Alloy
4-Module box
Box: 1
Carton: 12</p> |

Home Electric

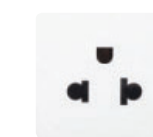
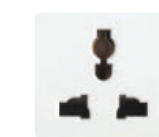


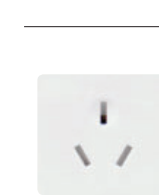

Floor Series

Professional Wiring Devices


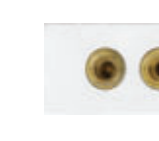





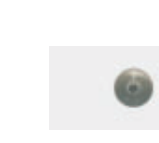
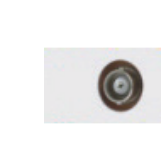


- | | |
|---|--|
|  <p>HHEFS22A
POP UP FLOOR SOCKET Alu. Alloy 3-Module * 2 box
Box: 1
Carton: 10</p> |  <p>HHEFS22C
POP UP FLOOR SOCKET Brass Alloy 3-Module * 2 box
Box: 1
Carton: 10</p> |
|  <p>HHEFSTABA
POP UP TABLE SOCKET AL 6-Module box
Box: 1
Carton: 12</p> |  <p>HHEFSTAB
OPEN COVER TABLE SOCKET ABS 6-Module box
Box: 1
Carton: 12</p> |

2-Module Accessories

- | | | |
|--|--|---|
|  <p>HHEFSF18
American Socket
Box: 10
Carton: 250</p> |  <p>HHEFSF4
Universal Socket
Box: 10
Carton: 250</p> |  <p>HHEFSF11
British Socket
Box: 10
Carton: 250</p> |
|  <p>HHEFSF15
Euro Socket
Box: 10
Carton: 250</p> |  <p>HHEFSF3
3Pin 10A Socket
Box: 10
Carton: 250</p> |  <p>HHEFSF9
Double USB Charger
Box: 10
Carton: 250</p> |

1-Module Accessories


- | | | |
|---|---|---|
|  <p>HHEFSF2
2Pin Socket
Box: 20
Carton: 500</p> |  <p>HHEFSF58
Sound Socket
Box: 50
Carton: 1000</p> |  <p>HHEFSF23
Tel Socket
Box: 50
Carton: 1000</p> |
|  <p>HHEFSF21
Data Socket
Box: 50
Carton: 1000</p> |  <p>HHEFSF20
Data Plate
Box: 100
Carton: 2000</p> |  <p>HHEFSF56
Video Socket
Box: 50
Carton: 1000</p> |
|  <p>HHEFSF55
Audio Socket
Box: 50
Carton: 1000</p> |  <p>HHEFSF50
TV Socket
Box: 50
Carton: 1000</p> |  <p>HHEFSF51
BNC Socket
Box: 50
Carton: 1000</p> |

Floor Series


Professional Wiring Devices





HHEFSF52
3.5mm Earphone Socket
Box: 50
Carton: 1000



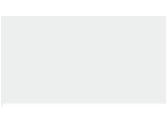
HHEFSF60
Cannon Socket
Box: 50
Carton: 1000




HHEFSF65
15 VGA Pin Socket
Box: 50
Carton: 1000




HHEFSF66
15 VGA Hole Socket
Box: 50
Carton: 1000



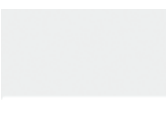
HHEFSF70
Empty Plate
Box: 100
Carton: 2000




HHEFSF68
HDMI Socket
Box: 50
Carton: 1000




HHEFSF66
15 VGA Hole Socket
Box: 50
Carton: 1000



HHEFSF70
Empty Plate
Box: 100
Carton: 2000



HHEFSF68
HDMI Socket
Box: 50
Carton: 1000

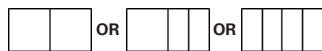


HHEFSF6
USB Charger
Box: 20
Carton: 500

Configuration selection

Empty Box + Module Accessories

3-Module box 

4-Module box 

3-Module * 2 box 

6-Module box 

How to order:



HHEFS1CW + **HHEFSF11** + **HHEFSF21** = **HHEFS1CWF11F21**

Extension Sockets

Standard: IEC60884
Certificate: CE & RoHS



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 underneath furniture. Available with or without switch, to power on and off without operating the main socket. Design with your comfort and safety as priority.

Features

- ◆ Euro plug and sockets (schuko)
- ◆ Cable Net Length: 1.4M
- ◆ Protection level: IP20
- ◆ 16A max power 3500W at 230V
- ◆ Child protection shutters tested to 10,000 operations
- ◆ Up to 5 sockets
- ◆ Cost-effective and meeting most basic needs and devices

Selection Code













Range name	Functionality	Functionality
HHEESES	3	S
ES: extension socket ES: euro standard	3: 3 gang 4: 4 gang 5: 5 gang	Default: no switch S: with main switch S2USB: with main switch with 2 USB

Online content



Extension Sockets

Order information

		HHEESES3 European type 3 gang Box: 1 Carton: 60			HHEESES4 European type 4 gang Box: 1 Carton: 40
		HHEESES3S European type 3 gang with switch Box: 1 Carton: 60			HHEESES4S European type 4 gang with switch Box: 1 Carton: 40
		HHEESES3S2USB European type 3 gang with switch 2USB Box: 1 Carton: 20			HHEESES5S2USB European type 5 gang with switch 2USB Box: 1 Carton: 20

Home Electric Tool Boxes



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, Himel Toolbox guarantee to always get the tools required.

Features

- ◆ Set: 8 pieces / 18 pieces

Selection Code

Range name	Functionality
HHETS	8
TS: Tool set	8: 8 individual tools 18: 18 individual tools

Online content



Tool Boxes

Order information

HHETS8
Tool Set 8 Pieces
Box: 1
Carton: 10



Stationery knife 18mm



6 inch wire cutter



Claw hammer



Test pencil



Cross & straight screwdriver



Electrical tape 2M tape measure

HHETS18
Tool Set 18 Pieces
Box: 1
Carton: 6



Cross & straight screwdriver



Test pencil



6 inch long nose pliers



Claw hammer



Hex Key



Stationery knife 18mm



6 inch wire cutter



8 inch adjustable spanner



Electrical tape 2M tape measure

Home Electric 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 Strength (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

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 Schedule Timer 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



HHESPUUS
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 ambiance 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
- ◆ Schedule Timer 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 Schedule Timer

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



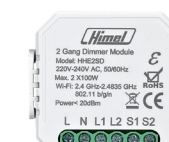
HHESM
Smart Switch Module
Box: 1
Carton: 100



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





Contact Himel team

support@himel.com



Contact local distributor

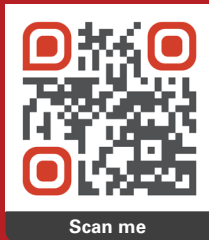
Company name:

Contact:

Tel:

Email:

Address:



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