

Low-voltage Device

Product Selection Guide



The Right Choice!

About Us

Himel is a multinational manufacturer and provider of electrical products that successfully combines global expertise with local knowledge. We focus on long-term partnership with customers and offer products that meet real needs and ensure adequate compatibility for common usage.

At **Himel**, we believe that functionality and availability do not have to come at a high cost. We are dedicated to ensuring that our simple and solid products are always where they are needed.

We guarantee complete originality of all our components and promote safe installation and usage.

We work to be always ready for our customers and to act fast. We are accountable and committed to maintaining sustainable, long-term partnerships.



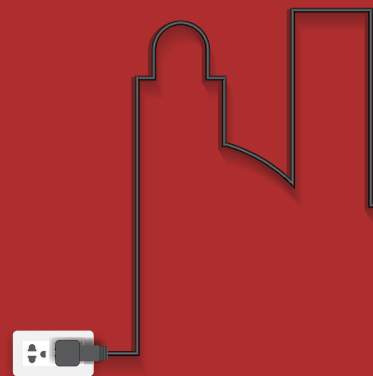
The right choice
with just enough functions and reliable quality

1.1bn

people lack access to energy, which hinders prosperity – 88% of those live in sub-Saharan Africa



We bring sustainable



+2.5bn

people will live in cities by
2050 – 66% of the world's
population



power to every home



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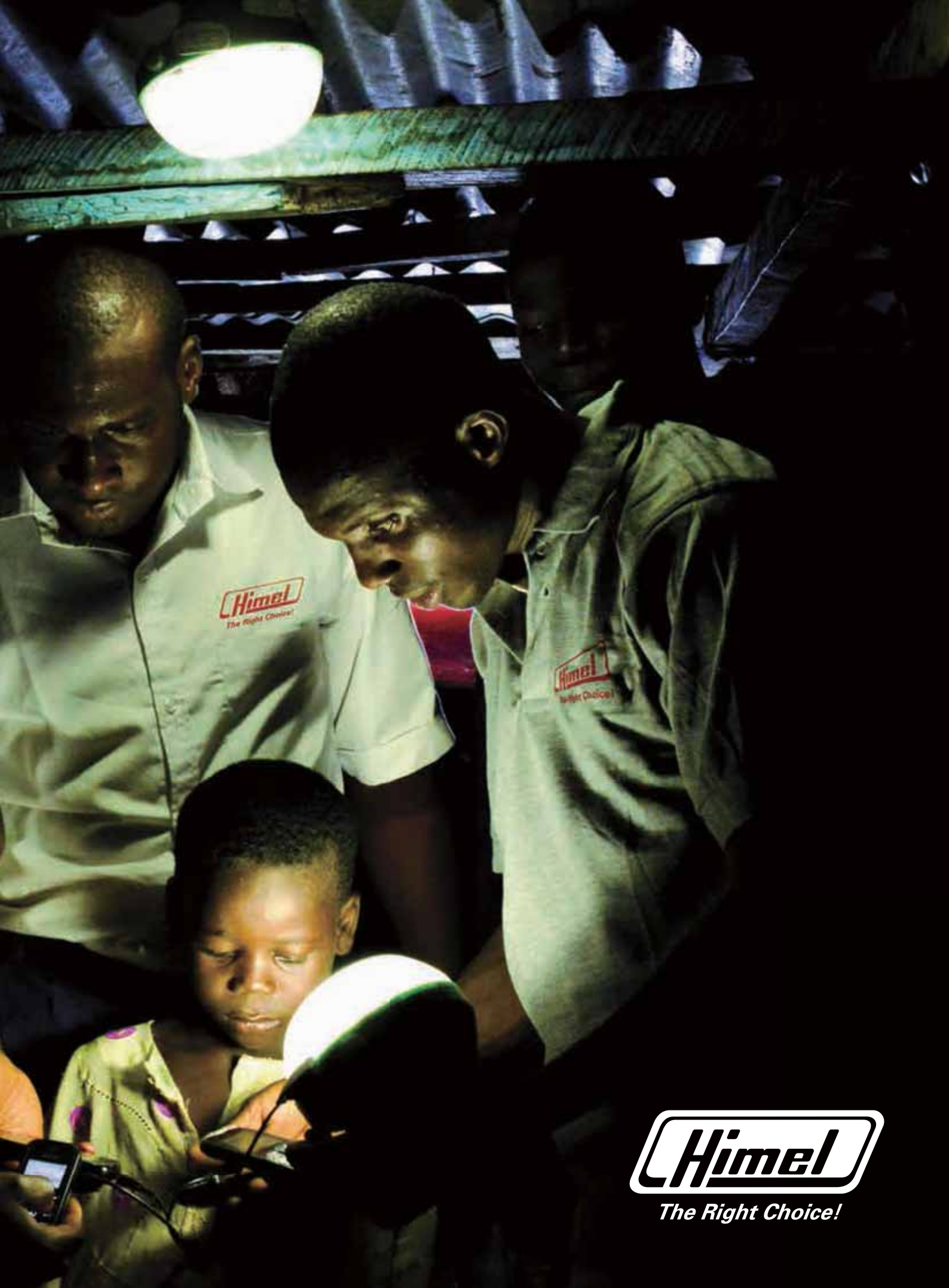
Ignite your life with reliable energy access

We believe access to energy is a basic human right.

We want everyone on our planet to have access to safe, reliable, efficient, and sustainable energy.

We're committed to providing innovative solutions that address the energy paradox: balancing our planet's carbon footprint with the irrefutable human right to quality energy





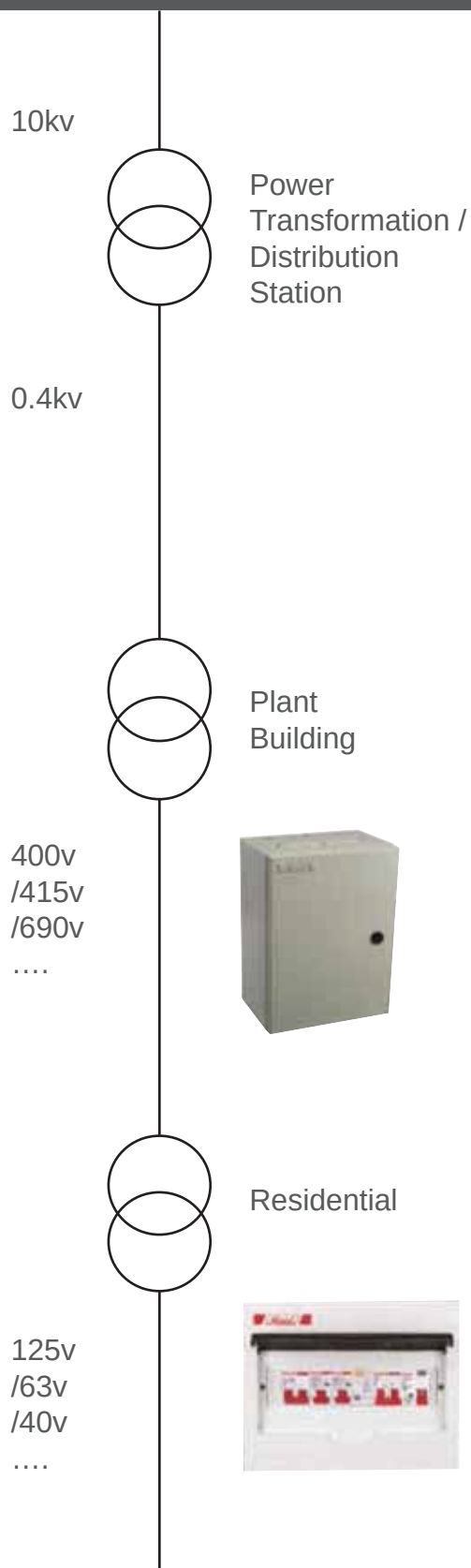
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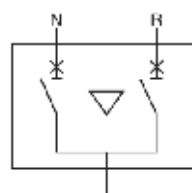
Low-Voltage Power Distribution



ACB
up to 6300A



MCCB
up to 1250A



ATS
Automatic
Transfer Switch



CAP
Electrolytic
Capacitors

Final



Consumer
BOX



Disconnector
up to 125A



MCB
up to 125A

Motor Control & Protection



Motor Circuit
Breaker



Interface Relay



Contactor



Time Relay



Thermal Relay

Distribution



RCCB
up to 100A



RCBO
up to 125A

Industrial Components



Pilot components



Fuse



Socket



Blocks

Power Management



Current
Transformer



Voltage
Stabilizer



Meter



Control transformer

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Molded Case Circuit Breaker (MCCB)

A circuit breaker which is assembled as an integral unit in a supportive and enclosed housing of insulating material, generally 20 to 3000 A in size and used in systems up to 600 Vac and 500 Vdc

Type	In (A)																								
	10A	16A	20A	25A	32A	40A	50A	63A	70A	80A	100A	125A	140A	150A	160A	175A	180A	200A	225A	250A	300A	315A	350A	400A	450A
HDM3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HDM2	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓														
HDM6s(Fixed)	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓			✓		✓	✓	✓			✓	✓		✓
HDM6s (Thermal-adjustable)		✓		✓		✓		✓			✓	✓		✓				✓		✓				✓	
HDM6E							✓				✓						✓	✓		✓				✓	
HDM3L		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
HDM6L							✓	✓		✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Type	In (A)												Frame Size								Poles				
	500A	600A	630A	700A	800A	1000A	1250A	63AF	100AF	125AF	160AF	250AF	400AF	630AF	800AF	1250AF	1P	2P	3P	4P					
HDM3	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓					✓				✓
HDM2																									
HDM6s(Fixed)	✓		✓	✓	✓			✓					✓			✓								✓	✓
HDM6s (Thermal-adjustable)	✓		✓						✓			✓	✓	✓									✓	✓	✓
HDM6E			✓						✓				✓	✓	✓	✓							✓	✓	✓
HDM3L	✓		✓							✓		✓	✓	✓	✓	✓							✓	✓	✓
HDM6L	✓		✓										✓	✓	✓	✓							✓	✓	✓

Type	Breaking Capacity (Icu)																Certificate				Temperature	
	18kA	21kA	25kA	26kA	30kA	35kA	36kA	39kA	40kA	50kA	60kA	70kA	85kA			SEMKO	RoHS					
HDM3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						-5 °C ~+50 °C			
HDM2			✓																			
HDM6s(Fixed)	✓		✓	✓	✓	✓			✓	✓		✓							-5 °C ~+40 °C			
HDM6s (Thermal-adjustable)									✓	✓		✓							-5 °C ~+40 °C			
HDM6E											✓	✓	✓						-5 °C ~+50 °C			
HDM3L												✓	✓	✓	✓				-5 °C ~+40 °C			
HDM6L												✓	✓	✓	✓				-5 °C ~+40 °C			

Type	Tripping Curve				Certificate								Temperature	
	Motor Protection	Power Protection			CE	IEC-CB	TUV	KEMA	SEMKO	RoHS				
HDM3	✓		✓		✓	✓	✓	✓				-5 °C ~+50 °C		
HDM2			✓		✓									
HDM6s(Fixed)	✓		✓		✓	✓		✓				-5 °C ~+40 °C		
HDM6s (Thermal-adjustable)	✓		✓		✓	✓		✓				-5 °C ~+40 °C		
HDM6E	✓		✓		✓							-5 °C ~+50 °C		
HDM3L	✓		✓		✓	✓						-5 °C ~+40 °C		
HDM6L	✓		✓		✓							-5 °C ~+40 °C		

Molded Case Circuit Breaker

Molded Case Circuit Breaker



HDM3

Frame Current	63A,100A,160A,250A,400A,630A,800A,1250A
Rated Insulation Voltage Ui	AC 800V (63AF:AC690V)
Rated Impulse Withstand Voltage Uimp	8kV (63AF:6kv)
Rated Operational Voltage Ue	AC 400/415V
Poles	3P,4P
Rated Frequency	50/60Hz
Standard	IEC 60947-2
Certificate	

Product	Framesize	Breaking Capacity	Rated Current	Poles	Tripping Type	Product accessories	Protection Type	Operation Type	Product Inner Acc	Installation Type	Temperature
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
HDM3	63: 63A 100: 100A 125: 125A 160: 160A 250: 250A 400: 400A 630: 630A 800: 800A 1250: 1250A	S L F M N T	10:10A ... 1250:1250A	3: 3 Poles A: 4 Poles A Type B: 4 Poles B type	2: Mag 3: Mag -therm	xx: No accessories 08: Alarm 10: Shunt 20: Auxiliary 30: Undervoltage 40: Shunt+auxiliary 50: Shunt+undervoltage 60: Two groups of auxiliary 70: Undervoltage +auxiliary 18: Shunt+alarm 28: Auxiliary+alarm 38: Undervoltage +alarm 48: Shunt+auxiliary alarm 68: Auxiliary+auxiliary alarm 78: Undervoltage+ auxiliary alarm	Default: Power Distribution 2: Motor Protection	Default: Toggle P: MCH Z: Turning Toggle	Default: MX/MN AC400V A: MX/MN AC230V B: MX DC24V C: MX AC230V MN AC230V D: MX AC400V MN AC230V E: MX DC24V MN AC230V F: MX AC230V MN AC400V G: MX AC400V MN AC400V H: MX DC24V MN AC400V I: MX DC110V J: MX DC220V K: MX DC110V MN AC230V L: MX DC110V MN AC400V M: MX DC220V MN AC230V N: MX DC220V MN AC400V	Default: Fixed Front FR: Fixed Rear PF: Plug-in Front PR: Plug-in Back D: Draw-out	Default: 40°C 50: 50°C

Remark:

- Shunt/auxiliary/alarm contacts are classified into terminals and standard configured leads. Two types for Shunt/auxiliary/alarm contacts: terminals and configured leads (standard offer).
- Standard configuration of connection mode: fixed front connection.
- Standard configuration of conventional products: phase partition and mounting screw (without wiring copper bar).
- As customized models, DC110V and DC220V shall be described specially.

Molded Case Circuit Breaker

Molded Case Circuit Breaker



HDM2

Frame Current	100A
Rated Insulation Voltage Ui	AC 690V
Rated Impulse Withstand Voltage Uimp	8kV
Rated Operational Voltage Ue	1P: 240VAC;2P: 400/415VAC
Poles	1P,2P
Rated Frequency	50/60Hz
Standard	IEC 60947-2
Certificate	CE

Product	Framesize	Breaking Capacity	Rated Current	Poles
HDM2	100	L	16	1
	↓	↓	↓	↓
	100:100AF	L: Icu=25kA/Ics=18kA	10: 10A	1P:1P
			16: 16A	2P:2P
			...	
			100: 100A	

Molded Case Circuit Breaker

Molded Case Circuit Breaker



HDM6s

Frame Current	63A,100A,250A,400A,630A,800A
Rated Insulation Voltage Ui	AC 800V (Frame 63AF:AC 690V)
Rated Impulse Withstand Voltage Uimp	8kV (Frame 63AF:6kV)
Rated Operational Voltage Ue	AC 400/415V (Frame 63AF:AC 400V)
Poles	3P,4P
Rated Frequency	50/60Hz
Standard	IEC 60947-2
Certificate	  

Name	Frame size	B.C.	Rated current	Pole	Accessory	Voltage of Accessory	Breaking Capacity & Installation
HDM6s	100	L	100	3	10	1	F
	↓	↓	↓	↓	↓	↓	↓
	063:63AF	L:L type	010 016 020 025 032	3:3P	XX:No Accessory	X:AC400V (MX,MN)	F: 40°C Unadjustable
	100:100AF	S:L type	040 050 063 080 100	4:4P	10:MX	or No Accessory	Fixed Front
	250:250AF	Icu=100%Ics	125 160 180 200 225		20:OF	N:AC230V (MX,MN)	3: 40°C Adjustable
	400:400AF	M:M type	250 315 350 400 500		30:MN	D:DC220V (MX)	Fixed Front
	630:630AF	T:M type	630 700 800		(exclude 63M 4P)	1:MX AC400V MN	
	800:800AF	Icu=100%Ics			40:MX+OF	AC230V	
					50:MX+MN	2:MX AC230V MN	
					(exclude 63M 4P)	AC400V	
					60:OF+OF	3:MX DC220V MN	
					70:MN+OF	AC400V	
					(exclude 63M 4P)	4:MX DC220V MN	
					08:SD	AC230V	
					18:MX+SD		
					28:OF+SD		
					38:MN+SD		
					(exclude 63M 4P)		
					48:MX+OF+SD		
					68:SD+OF+OF		
					78:MN+OF+SD		
					(exclude 63M 4P)		
					98:MCH+SD+MN+OF		

Molded Case Circuit Breaker

Molded Case Circuit Breaker



HDM6E

Frame Current	100A,250A,400A,630A,800A
Rated Insulation Voltage Ui	AC 800V
Rated Impulse Withstand Voltage Uimp	8kV
Rated Operational Voltage Ue	AC 400V
Poles	3P,4P
Rated Frequency	50Hz
Standard	IEC 60947-2
Certificate	CE

Name	Frame	B.C	Rated Current	Pole	Accessory	Voltage of Accessory	Installation Method
HDM6E	250	M	250	3P	10	1	F
	↓	↓	↓	↓	↓	↓	↓
	100:100AF 250:250AF 400:400AF 630:630AF 800:800AF	M:M type	100:100A 250:250A 400:400A 630:630A 800:800A	3:3P A:4P A Type N phase is not equipped with overcurrent trip component and N phase is always connected. The N phase does not open/close with the other 3 poles. B:4P B Type N phase is not equipped with overcurrent trip component, and N phase opens/closes with other 3 poles. (N phase closes earlier, and opens later than the other 3 poles)	XX: No Accessory 10: MX 20: OF 30: MN 60: OF+OF 08: SD 28: OF+SD	X: AC400V or No Accessory N: AC400v D: DC24V	F: fix-type in front of the board T: 50°C

Remark: 1. The HDM6E can offered 250,400,630AF with general environment .
2. The HDM6E can offered 100,250,400,640,800AF with 50 degree.

Molded Case Circuit Breaker

Earth-Leakage Circuit Breaker



HDM3L

Frame Current	125A,160A,250A,400A,630A
Rated Insulation Voltage Ui	AC 800V
Rated Impulse Withstand Voltage Uimp	8kV
Rated Operational Voltage Ue	AC 400/415V
Poles	3P,4P
Rated Frequency	50Hz
Standard	IEC 60947-2
Certificate	CE

Name	Current frame	Breaking Capacity	Accessories	Voltage Type	Installation Position	Poles
HDM3L	100	F	H1	A2	L	3P
	↓	↓	↓	↓	↓	↓
	125:25A	S	AL1:Alarm (with wire)	MX shunt:	L:Left	3P:3P
	160:160A	F	AL2:Alarm (with terminal)	A2:AC230V	R:Right	4P:4P
	250:250A		MX1:Shunt release (with wire)	A3:AC400V		
	400:400A		MX2:Shunt release (with terminal)	D1:DC110V		
	630:630A		OF11K1B:Auxiliary contact left(with wire)	D2:DC24V		
			OF11K2B:Auxiliary contact left(with terminal)	D3:DC220V		
			C3:Expanding terminal 3P(3pcs)			
			C4:Expanding terminal 4P(4pcs)			
			IB3:Interphase clapboard 3P(2pcs)			
			IB4:Interphase clapboard 4P(3pcs)			
			OFAL1:Auxiliary contact&Alarm (with wire)			
			OFAL2:Auxiliary contact&Alarm (with terminal)			
			CD1:AC Electric operating mechanism			
			CD2:DC Electric operating mechanism			

Molded Case Circuit Breaker

Earth-Leakage Circuit Breaker



HDM6L

Frame Current	100A,250A,400A,630A
Rated Insulation Voltage Ui	AC 800V
Rated Impulse Withstand Voltage Uimp	8kV
Rated Operational Voltage Ue	AC 400V
Poles	3P,4P
Rated Frequency	50Hz
Standard	IEC 60947-2
Certificate	CE

Name	Frame size	B.C.	Rated current	Pole	Accessory	Voltage of Accessory	Residual current	Installation method
HDM6L	100	L	100	3	10	1	F	R
	↓	↓	↓	↓	↓	↓	↓	↓
	100:100AF	L:L type	40	3:3P	X: No Accessory	X: AC400V ; No	Y: 30/100/500mA	F: fix-type in
	250:250AF	M:M type	50	A:4P A Type	M:MX	Accessory voltage;	(100AF, 250AF)	front of the
	400:400AF		63	N phase is not equipped	O:OF	leakage module	T: 100/300/500mA	board
	630:630AF		80	with overcurrent trip	N:M	voltage AC400V	(100AF, 250AF,	R: fix-type
			100	component and N phase	F:OF+OF	N:AC230V; intenal	400AF, 630AF)	behind the
			125	is always connected.	S:SD	accessory AC230V;	F: 300/500/1000mA	board
			160	(The N phase does not	D:OF+SD	leakage module	(400AF, 630AF)	P: insert-type
			180	open/close with the other	U: Leakage alarm without action module	AC230V		behind the
			200	3 poles)	I: leakage alarm with action module	D:DC24V		board
			225	B: 4P B Type	A:MX+ Leakage alarm without action module	1:internal accessory		
			250	N phase is not equipped	1:MX+ Leakage alarm with action module	AC400V; leakage		
			315	with overcurrent trip	B:OF+ Leakage alarm without action module	module AC230V		
			350	component, and N	2:OF+ Leakage alarm with action module	2:internal accessory		
			400	phase opens/closes with	C:MN+ Leakage alarm without action module	AC230V; leakage		
			500	the other 3 poles (N phase	3:MN+ Leakage alarm with action module	module AC400V		
			630	closes first and then opens)	E:OF+OF+ Leakage alarm without action module	3:internal accessory		
					4:OF+OF+ Leakage alarm with action module	DC24V; leakage		
					G:SD+ Leakage alarm without action module	module AC400V		
					5:SD+ Leakage alarm with action module	4:internal accessory		
					H:OF+SD+ Leakage alarm without action module	DC24V; leakage		
					6:OF+SD+ Leakage alarm with action module	module AC230V		

Isolating Switch

Isolating Switch



HDGL

Frame Current	63A,100A,160A,250A,400A,630A,1600A,3150A
Power Frequency Withstand Voltage	AC 2000V
Rated Insulation Voltage Ui	AC 800V
Rated Impulse Withstand Voltage Uimp	12kV (2000m)
Poles	3P,4P
Standard	IEC 60947-3

Model	Frame current	Pole number	Window and shaft	Rated current	Auxiliary contact
HDGL	160	3	J	100	11
	↓	↓	↓	↓	↓
HDGL: Normal HDGL single throw isolator	63	3:3P	J: External operation with extended shaft 300mm	16	11: 1NO1NC
HDGLZ: Overlap type double throw switch	100	4:4P		25	22: 2NO2NC
HDGLZC: Symmetric type double throw switch	160		K: With observing window	32	
	250		JK: Window plus external operation with extended shaft 300mm	40	
	630			63	
	1600			80	
	3150			100	
				125	
				160	
				200	
				250	
				315	
				400	
				500	
				630	
				800	
				1000	
				1250	
				1600	
				2000	
				2500	
				3150	

Remark:

- 1, The extended shaft of external operation handle is defaulted with 300mm, can also provide 500mm etc. upon client request.
- 2, Window: N/A for 16-100A. 125A-3150A can be with window, but 2000-3150 would have longer delivery time.
- 3, Auxiliary contact: N/A for 16-100A;
- 4, Symmetric type double throw of 1600A above is unavailable;

Air Circuit Breaker (ACB)

An air circuit breaker automatically interrupts the current flowing through it when the current exceeds the trip rating of the breaker. Air is the medium of electrical insulation between electrically live parts and grounded (earthed) metal parts.

Type	In (A)										
	200A	400A	630A	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A
HDW6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HDW9			✓	✓	✓	✓	✓	✓	✓	✓	✓

Type	Frame Size							Poles	
	1000AF	1600AF	2000AF	3200AF	4000AF	6300AF		3P	4P
HDW6	✓		✓	✓		✓		✓	✓
HDW9		✓			✓	✓		✓	✓

Type	Breaking Capacity						Tripping Curve	
	42kA	50kA	65kA	80kA	100kA	120kA	Motor Protection	Power Protection
HDW6	✓			✓		✓	✓	✓
HDW9		✓	✓		✓	✓	✓	✓

Type	Certificate					Temperature	
	CE	IEC-CB	TUV	KEMA	SEMKO	RoHS	
HDW6	✓			✓			-5°C ~+40°C
HDW9	✓			✓			-5°C ~+40°C

Air Circuit Breaker

Air Circuit Breaker



HDW9

Rated Current	630A to 6300A
Breaking Capacity (Ics)	up to 100kA
Rated Operational Voltage	AC 400/415V, 690V (50/60Hz)
Poles	3P, 4P
Standard	IEC/EN 60947-2
Certificate	

Product Name	Frame	Rated current	Poles	Installation method	MCH/ XF/ MX / Power Supply Module	MN/MNR	Auxiliary contact	Intelligent control unit
W9	40H2	32	3	DH	N	5	F	E
	↓	↓	↓	↓	↓	↓	↓	↓
W9:HDW9	16N: 1600N (Icu=50kA)	06: 630A 08: 800A	3: 3P 4: 4P	DH:Drawout Horizontal	N:AC230V	N:MN AC230V	F:4NO4NC	B:iTR336
	40H1: 4000H1 (Icu=65kA)	10: 100A 12: 1250A		FH:Fixed Horizontal	V:AC400V	V:MN AC400V	E:8NO8NC	E:iTR336E
	40H2: 4000H2 (Icu=100kA)	20: 2000A		DV:Drawout Vertical	D:DC220V	P:MNR AC230V	T:12NO12NC	H:iTR336H
	63L: 6300L (Icu=120kA)	25: 2500A 32: 3200A		FV:Fixed Vertical		T:MNR AC400V	V:5NO5NC	L:iTR336H-L
		40: 4000A 50: 5000A 63: 6300A		DF:Drawout Front-connection FF:Fixed Front-connection		5:None		

Remarks:

1. Front-connection type device is NOT available for HDW9 which rated current is 4000A.
2. HDW9-6300L only offers drawout Horizontal type product.
3. 4P type device is NOT available for HDW9 which rated current is 6300A.
4. 1600N offers 4NO4NC; 4000H offers 4NO4NC, 8NO8NC, 12NO12NC; 6300L offers 5NO5NC.
5. iTR336H-L is NOT available for 6300L.

Air Circuit Breaker

Air Circuit Breaker



HDW6

Rated Current	200A to 6300A
Breaking Capacity (Ics)	up to 100kA
Rated Operational Voltage	AC 400V (50/60Hz)
Poles	3P,4P
Standard	IEC/EN 60947-2
Certificate	 

Product Name	Frame	Rated current	Poles	Installation method	Motor mechanism (MCH) + Closing release (XF)	Shunt release (MX)	Under-voltage release	Auxiliary contact	ESW series intelligent controller
W6	20	16	3	DH	D	D	5	4	L
	↓	↓	↓	↓	↓	↓	↓	↓	↓
	10: 1000	02: 200A	3: 3P	DH:Drawout Horizontal	D:DC220V	D:DC220V	N:AC230V	4: Four open	M: ECW-M
	20: 2000	04: 400A	4: 4P	(1000AF-6300AF)	N:AC230V	N:AC230V	V:AC400V	and four close	L: ECW-L
	32: 3200	06: 630A		FH:Fixed Horizontal	V:AC400V	V:AC400V	P: With	6: Five open	H: ECW-H
	63: 6300	08: 800A		(1000AF-3200AF)	5: Without MCH & XF	5: W/out shunt release	under-voltage delayed	and five close	
		12: 1250A					AC230V		
		16: 1600A					T: With		
		20: 2000A					under-voltage delayed		
		25: 2500A					AC400V		
		32: 3200A					5: Without		
		40: 4000A					under-voltage release		
		50: 5000A							
		63: 6300A							
		(Exclude 4P)							

Miniature Circuit Breaker (MCB)

Miniature Circuit Breaker is an electrical circuit breaker fitted in consumer units and small distribution boards

Type	In (A)																AC/DC		Phase-neutral		
	1A	2A	3A	4A	5A	6A	8A	10A	13A	16A	20A	25A	32A	40A	50A	63A	80A	100A		125A	AC
HDB3w	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	
HDB3wH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	
HDB6s	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓			✓	
HDB9	✓	✓		✓		✓		✓				✓	✓	✓	✓	✓				✓	
HDB9Z	✓	✓		✓		✓		✓				✓	✓	✓	✓	✓					✓
HDB3w-125																✓	✓		✓		
HDB3wP						✓		✓		✓	✓	✓	✓	✓			✓		✓		✓
HDB3wPH						✓		✓		✓	✓	✓	✓	✓					✓		✓
HDB3wZ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	
HDB6P						✓		✓		✓	✓	✓	✓							✓	
HDB9P						✓		✓		✓	✓	✓	✓	✓						✓	

Type	Size		Poles							Breaking Capacity				Tripping Curve				Certificate				Temperature	
	18mm	27mm	1P	1P+N	2P	3P	3P+N	4P	3kV	4.5kV	6kV	10kV	B	C	D	CE	IEC-CB	TUV	KEMA	SEMKO	RoHS		
HDB3w	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				-20°C ~+60°C	
HDB3wH	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	-35°C ~+70°C	
HDB6s	✓		✓		✓	✓		✓		✓			✓	✓	✓	✓	✓		✓			-5°C ~+40°C	
HDB9	✓		✓		✓	✓		✓			✓	✓	✓	✓	✓	✓	✓		✓			-30°C ~+70°C	
HDB9Z	✓		✓		✓	✓		✓			✓	✓	✓	✓	✓	✓	✓		✓	✓		-30°C ~+70°C	
HDB3w-125		✓	✓		✓	✓		✓			✓	✓		✓	✓	✓	✓	✓				-20°C ~+60°C	
HDB3wP	✓			✓					✓	✓				✓	✓	✓	✓	✓				-20°C ~+60°C	
HDB3wPH	✓			✓					✓	✓				✓	✓	✓	✓	✓		✓		-35°C ~+70°C	
HDB3wZ	✓		✓								✓		✓	✓	✓	✓	✓			✓		-25°C ~+60°C	
HDB6P	✓			✓						✓				✓	✓	✓	✓					-5°C ~+40°C	
HDB9P	✓			✓						✓	✓	✓		✓	✓	✓	✓	✓			✓	-25°C ~+70°C	

Miniature Circuit Breaker

18 mm Miniature Circuit Breaker



HDB3w

In	1A,2A,3A,4A,5A,6A,8A,10A,13A,16A,20A,25A,32A,40A,50A,63A
Poles	1P,1P+N,2P,3P,3P+N,4P
Breaking Capacity	3/4.5/6kA
Tripping Curve	B,C and D Curves
Standard	IEC/EN 60898-1
Certificate	CE  

Name	Breaking Capacity	Pole	Tripping Curve	Rated Current	Temperature Default
HDB3w	N	2	C	16	
	↓	↓	↓	↓	↓
	A:3kA L:4.5kA N:6kA	1:1P 2:2P 3:3P 4:4P 5:1P+N 6:3P+N	B:B curve C:C curve D:D curve	1:1A 2:2A ... 63:63A	Default:40°C 50D:50°C



HDB3wH

In	1A,2A,3A,4A,5A,6A,8A,10A,13A,16A,20A,25A,32A,40A,50A,63A
Poles	1P,1P+N,2P,3P,3P+N,4P
Breaking Capacity	3/4.5/6kA
Tripping Curve	B,C and D Curves
Standard	IEC/EN 60898-1
Certificate	CE   

Name	Breaking Capacity	Pole	Tripping Curve	Rated Current
HDB3wH	N	1	C	16
	↓	↓	↓	↓
	A:3kA L:4.5kA N:6kA	1:1P 2:2P 3:3P 4:4P 5:1P+N 6:3P+N	B:B curve C:C curve D:D curve	1:1A 2:2A ... 63:63A

Miniature Circuit Breaker

18 mm Miniature Circuit Breaker



HDB6s

In	1A,2A,3A,4A,5A,6A,8A,10A,13A,16A,20A,25A,32A,40A,50A,63A
Poles	1P,2P,3P,4P
Breaking Capacity	4.5/6kA
Tripping Curve	B,C and D Curves
Standard	IEC/EN 60898-1
Certificate	 

Name	Breaking Capacity	Pole	Tripping Curve	Rated Current
HDB6s	a	2	C	16
	↓	↓	↓	↓
	A:3kA	1:1P	B:B curve	1:1A
	L:4.5kA	2:2P	C:C curve	2:2A
	N:6kA	3:3P	D:D curve	...
		4:4P		63:63A



HDB9

In	1A,2A,4A,6A,10A,16A,20A,25A,32A,40A,50A,63A
Poles	1-4P
Breaking Capacity	6/10kA
Tripping Curve	B,C and D Curves
Standard	IEC/EN 60898-1
Certificate	  

Name	Breaking Capacity	Frame Size	Pole	Tripping Curve	Rated Current
HDB9	H	63	2	C	16
	↓	↓	↓	↓	↓
	N:6kA	63:63AF	1:1P	B:B curve	1:1A
	H:10kA		2:2P	C:C curve	2:2A
			3:3P	D:D curve	...
			4:4P		63:63A

Miniature Circuit Breaker

18mm DC Miniature Circuit Breaker



HDB3wZ

In	1A,2A,4A,6A,10A,16A,20A,25A,32A,40A,63A
Poles	1P,2P,3P
Breaking Capacity	6kA
Tripping Curve	B and C Curves
Standard	IEC/EN 60947-2
Certificate	

Name	Breaking Capacity	Pole	Tripping Curve	Rated Current
HDB3wZ	Default	2	C	20
	↓	↓	↓	↓
	Default	1:1P	B:B curve	1:1A
	Breaking Capacity 6kA	2:2P	C:C curve	2:2A
	1P: 250v	3:3P		...
	2P/3P: 500v			63:63A



HDB9Z

In	1A,2A,4A,6A,10A,16A,20A,25A,32A,40A,50A,63A
Poles	1P,2P,4P
Breaking Capacity	10kA
Tripping Curve	B and C Curves
Standard	IEC 60947-2
Certificate	 

Name	Frame	Poles	Curve	Rated current
HDB9Z	63	1	B	1
	↓	↓	↓	↓
	63: 63AF	1:1P	B:B curve	1: 1
		2:2P	C:C curve	2: 2
		4:4P		...
				63: 63

Miniature Circuit Breaker

27mm Miniature Circuit Breaker



HDB3w-125

In	63A,80A,100A,125A
Poles	1P,2P,3P,4P
Breaking Capacity	6/10kA
Tripping Curve	C and D Curves
Standard	IEC 60947-2
Certificate	  

Name	Breaking Capacity	Pole	Tripping Curve	Rated Current
HDB3w-125	N	2	C	16
	↓	↓	↓	↓
	N:6kA H:10kA	1:1P 2:2P 3:3P 4:4P	C:C curve D:D curve	63:63A ... 125:125A

Miniature Circuit Breaker

Phase-neutral Circuit Breaker



HDB3wP

In	6A,10A,16A,20A,25A,32A,40A
Poles	1P+N
Breaking Capacity	3/4.5kA
Tripping Curve	C and D Curves
Standard	IEC/EN 60898-1
Certificate	CE  

Name	Breaking Capacity	Tripping Curve	Rated Current
HDB3wP	N	C	16
	↓	↓	↓
	A:3kA N:4.5kA	C:C curve D:D curve	6:6A 10:10A ... 40:40A



HDB3wHP

In	6A,10A,16A,20A,25A,32A,40A
Poles	1P+N
Breaking Capacity	3/4.5kA
Tripping Curve	C and D Curves
Standard	IEC/EN 60898-1
Certificate	CE   

Name	Breaking Capacity	Trip type	Rated Current
HDB3wHP	Default	C	20
	↓	↓	↓
	A: 3kA Default: 4.5kA	C:C curve D:D curve	6:6A 10:10A ... 40:40A

Miniature Circuit Breaker

Phase-neutral Circuit Breaker



HDB6p

In	6A,10A,16A,20A,25A,32A
Poles	1P+N
Breaking Capacity	4.5kA
Tripping Curve	C Curve
Standard	IEC/EN 60898-1
Certificate	 

Name	Tripping Curve	Rated Current
HDB6p	C	10
	↓	↓
	C:C curve	6:6A
	D:D curve	10:10A
		16:16A
		20:20A
		25:25A
		32:32A



HDB9p

In	6A,10A,16A,20A,25A,32A,40A
Poles	1P+N
Breaking Capacity	4.5/6kA
Tripping Curve	C Curve
Standard	IEC/EN 60898-1
Certificate	 

Name	Breaking Capacity	Tripping Curve	Rated Current
HDB9p	N	C	10
	↓	↓	↓
	a:4.5kA	C:C curve	6:6A
	N:6kA		10:10A
			16:16A
			20:20A
			25:25A
			32:32A
			40:40A

Switch Disconnecter

Type	In (A)																AC/DC				
	1A	2A	3A	4A	5A	6A	8A	10A	13A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A	AC	DC
HDB61S											✓		✓			✓			✓	✓	
HDG3											✓	✓	✓	✓			✓	✓	✓	✓	
HDG9													✓	✓				✓	✓	✓	

Type	Size		Poles							Certificate				Temperature	
	18mm	27mm	1P	1P+N	2P	3P	3P+N	4P	CE	IEC-CB	TUV	KEMA	SEMKO	RoHS	
HDB61S	✓		✓		✓	✓		✓	✓	✓			✓		-5°C ~ +40°C
HDG3	✓		✓		✓	✓		✓	✓	✓					-20°C ~ +60°C
HDG9	✓		✓		✓	✓		✓	✓	✓	✓			✓	-30°C ~ +70°C

Switch Disconnectors

Switch Disconnector



HDB6IS

In	20A,32A,63A,100A,125A
Poles	1P,2P,3P,4P
Standard	IEC/EN 60947-3
Certificate	 

Name	Pole	Rated Current
HDB6IS	2	63
	↓	↓
	1:1P	20:20A
	2:2P	32:32A
	3:3P	63:63A
	4:4P	100:100A 125:125A



HDG3

In	20A,25A,32A,40A,63A,80A,100A,125A
Poles	1P,2P,3P,4P
Impulse withstand voltage	4kV
Standard	IEC 60947-3
Certificate	

Name	Pole	Rated Current
HDG3	1	20
	↓	↓
	1:1P	20:20A
	2:2P	25:25A
	3:3P	...
	4:4P	125:125A

Switch Disconnectors

Switch Disconnecter



HDG9

In	32A,63A,100A,125A
Poles	1P,2P,3P,4P
Standard	IEC 60947-3
Certificate	  

Name	Frame Size	Pole	Rated Current
HDG9	125	2	63
	↓	↓	↓
	125:125AF	1:1P	32:32A
		2:2P	63:63A
		3:3P	100:100A
		4:4P	125:125A

Residual Current Devices

RCBO is Residual-Current Circuit Breaker with Over current Protection (RCD + MCB)

Type	In (A)																			Type		Phase-neutral
	1A	2A	3A	4A	5A	6A	8A	10A	13A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A	AC	A	
HDB3wLE					✓	✓		✓		✓	✓	✓	✓	✓	✓	✓				✓		
HDB3wHLE					✓	✓		✓		✓	✓	✓	✓	✓	✓	✓				✓		
HDB3wLE-125																	✓		✓			
HDB9LE					✓			✓		✓	✓	✓	✓	✓	✓	✓	✓			✓		
HDB9LM					✓	✓		✓		✓	✓	✓	✓	✓	✓	✓				✓		
HDB3wPLE					✓	✓		✓		✓	✓	✓	✓	✓						✓		
HDB3wHPLE					✓	✓		✓		✓	✓	✓	✓	✓						✓		
HDB9PLE					✓	✓		✓		✓	✓	✓	✓	✓						✓		
HDB6pLE					✓			✓		✓	✓	✓	✓	✓						✓		
HDB3VR								✓		✓	✓	✓	✓	✓			✓	✓		✓	✓	
HDB6VR								✓		✓	✓	✓	✓	✓			✓	✓		✓	✓	

Type	Size		Poles							Breaking Capacity				Tripping Curve				Residual Current(mA)						
	18mm	27mm	1P	1P+N	2P	3P	3P+N	4P	3kV	4.5kV	6kV	10kV	B	C	D			30	50	75	100	300		
HDB3wLE	✓			✓	✓	✓	✓	✓			✓			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
HDB3wHLE	✓			✓	✓	✓	✓	✓			✓			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
HDB3wLE-125		✓		✓	✓	✓	✓	✓				✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
HDB9LE	✓			✓	✓	✓	✓	✓			✓			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
HDB9LM	✓			✓							✓			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
HDB3wPLE	✓			✓	✓				✓	✓				✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
HDB3wHPLE	✓			✓	✓				✓	✓				✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
HDB9PLE	✓			✓	✓				✓	✓				✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
HDB6pLE	✓			✓					✓	✓	✓			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
HDB3VR					✓			✓			✓	✓						✓	✓	✓	✓	✓	✓	✓
HDB6VR					✓			✓			✓	✓						✓	✓	✓	✓	✓	✓	✓

Type	Certificate						Temperature	
	CE	IEC-CB	TUV	KEMA	SEMKO	RoHS		
HDB3wLE	✓						-20°C ~+60°C	
HDB3wHLE	✓					✓	-35°C ~+70°C	
HDB3wLE-125	✓	✓					-20°C ~+60°C	
HDB9LE	✓					✓	-5°C ~+40°C	
HDB9LM	✓	✓	✓			✓	-5°C ~+55°C	
HDB3wPLE	✓	✓	✓				-20°C ~+60°C	
HDB3wHPLE	✓	✓	✓			✓	-35°C ~+70°C	
HDB9PLE	✓	✓	✓			✓	-25°C ~+70°C	
HDB6pLE	✓	✓			✓		-5°C ~+40°C	
HDB3VR	✓	✓	✓				-25°C ~+40°C	
HDB6VR	✓	✓	✓				-25°C ~+40°C	

Residual Current Devices

Residual Current Operated Circuit Breaker



HDB3wLE

In	6A,10A,16A,20A,25A,32A,40A,50A,63A
Poles	1P+N,2P,3P,3P+N,4P
Sensitivity	30mA,50mA,75mA,100mA,300mA
Breaking Capacity	6kA
Tripping Curve	C and D Curves
Standard	IEC 61009-1
Certificate	CE

Name	Breaking Capacity	Pole	Tripping Curve	Rated Current	Residual current	Other functions
HDB3wLE	N	1	C	6		G
	↓	↓	↓	↓	↓	↓
	N:6kA	1:1P+N	C:C curve	6:6A	Default:30mA	Default:No
		2:2P	D:D curve	10:10A	R50:50mA	over-voltage
		3:3P		16:16A	R75:75mA	protection
		6:3P+N		20:20A	R100:100mA	G:over-voltage
		5:4P		25:25A	R300:300mA	protection
				32:32A		
				40:40A		
				50:50A		
				63:63A		

Residual Current Devices

Residual Current Operated Circuit Breaker



HDB3wHLE

In	6A,10A,1A,20A,25A,32A,40A,50A,63A
Poles	1P+N,2P,3P,3P+N,4P
Sensitivity	30mA,50mA,75mA,100mA,300mA
Breaking Capacity	6kA
Tripping Curve	C and D Curves
Standard	IEC 61009-1
Certificate	CE RoHS

Name	Breaking Capacity	Pole	Tripping Curve	Rated Current	Residual current	Other functions
HDB3wHLE	N	1	C	6		G
	↓	↓	↓	↓	↓	↓
	N:6kA	1:1P+N	C:C curve	6:6A	Default:30mA	Default:No
		2:2P	D:D curve	10:10A	R50:50mA	over-voltage
		3:3P		16:16A	R75:75mA	protection
		6:3P+N		20:20A	R100:100mA	G:over-voltage
		5:4P		25:25A	R300:300mA	protection
				32:32A		
				40:40A		
				50:50A		
				63:63A		

Residual Current Devices

Residual Current Operated Circuit Breaker



HDB9LE

In	6A,10A,16A,20A,25A,32A,40A,50A,63A
Poles	1P+N,2P,3P,3P+N,4P
Sensitivity	30mA,100mA,300mA
Breaking Capacity	6kA
Tripping Curve	C Curve
Standard	IEC 61009-1
Certificate	CE RoHS

Name	Breaking Capacity	Pole	sensitivity	Rated Current
HDB9LE	N	1	S	6
	↓	↓	↓	↓
	N:6kA	1:1P+N	S:30mA	6:6A
		2:2P	Y:100mA	10:10A
		3:3P	T:300mA	16:16A
		4:4P		20:20A
		6:3P+N		25:25A
				32:32A
				40:40A
				50:50A
				63:63A

Residual Current Devices

Residual Current Operated Circuit Breaker



HDB9LM

In	6A,10A,16A,20A,25A,32A,40A,45A,50A,63A
Poles	1P+N,3P+N
Breaking Capacity	6kA
Curve	C Curve
Sensitivity	30mA,300mA
Standard	IEC/EN 61009-1,61009-2-1
Certificate	CE RoHS

Model	Frame	Poles	Curve	Rated current	Sensitivity	Enclosure
HDB9LM	63	5	C	6	T	Default
	↓	↓	↓	↓	↓	↓
	63:63AF	5:1P+N 6:3P+N	C:C curve	6: 6A 10: 10A ... 63: 63A	T:300mA S:30mA	Default:Without enclosure E:With enclosure



HDB3wLE-125

In	63A,80A,100A,125A
Poles	1P,2P,3P,4P
Breaking Capacity	10kA
Tripping Curve	C and D Curves
Standard	IEC 60947-2
Certificate	CE

Name	PoLE-	Tripping Curve	Rated Current	Residual current	Other functions
HDB3wLE125	1	C	63		G
	↓	↓	↓	↓	↓
	1:1P+N 2:2P 3:3P 4:4P 6:3P+N	C:C curve D:D curve	63:63A 80:80A 100:100A 125:125A	Default:30mA W:50mA Q:75mA Y:100mA T:300mA	Default: No over-voltage protection G:Over-voltage protection

Residual Current Devices

Residual Current Operated Circuit Breaker



HDB3wPLE

In	6A,10A,16A,20A,25A,32A,40A
Poles	1P+N
Sensitivity	30mA
Breaking Capacity	3/4.5kA
Tripping Curve	C and D Curves
Standard	IEC 61009-1
Certificate	

Name	Tripping Curve	Breaking Capacity	Rated Current	Residual current	Other functions
HDB3wPLE	C	A	10		G
	↓	↓	↓	↓	↓
	C:C curve	A:3kA	6:6A	Default:30mA	Default: No over-voltage protection
	D:D curve	4.5kA	10:10A		G:Over-voltage protection
			16:16A		
			20:20A		
			25:25A		
			32:32A		
			40:40A		

Residual Current Devices

Residual Current Operated Circuit Breaker



HDB3wHPLE

In	6A,10A,16A,20A,25A,32A,40A
Poles	1P+N
Sensitivity	30mA
Breaking Capacity	3/4.5kA
Tripping Curve	C and D Curves
Standard	IEC 61009-1
Certificate	 

Name	Breaking Capacity	Trip type	Rated Current	Residual current	Other functions
HDB3wHPLE	Default	C	6		G
	↓	↓	↓	↓	↓
	A: 3kA Default: 4.5kA	C:C curve D:D curve	6:6A 10:10A 16:16A 20:20A 25:25A 32:32A 40:40A	Default:30mA	Default: No over-voltage protection G:Over-voltage protection

Residual Current Devices

Residual Current Operated Circuit Breaker



HDB6pLE

In	6A,10A,16A,20A,25A,32A,40A
Poles	1P+N
Sensitivity	30mA
Breaking Capacity	4.5kA
Standard	IEC 61009-1
Tripping Curve	C Curve
Certificate	 

Name	Tripping Curve	Rated Current
HDB6pLE	C	10
	↓	↓
	C:C curve	6:6A 10:10A 16:16A 20:20A 25:25A 32:32A 40:40A



HDB9PLE

In	6A,10A,16A,20A,25A,32A,40A
Poles	1P+N
Sensitivity	10mA,30mA
Breaking Capacity	4.5/6kA
Tripping Curve	C Curve
Standard	IEC/EN 61009-1
Certificate	 

Name	Breaking Capacity	Tripping Curve	Sensitivity	Rated Current
HDB9PLE	N	C	S	10
	↓	↓	↓	↓
	a:4.5kA N:6kA	C:C curve	L:10mA S:30mA	6:6A 10:10A 16:16A 20:20A 25:25A 32:32A 40:40A

Residual Current Devices

Type	In (A)														Type		Phase-neutral					
	1A	2A	3A	4A	5A	6A	8A	10A	13A	16A	20A	25A	32A	40A	50A	63A		80A	100A	125A	AC	A
HDB3VR								✓		✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	
HDB6VR								✓		✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	

Type	Size	Poles							Breaking Capacity			Tripping Curve						Residual Current(mA)				
		18mm	27mm	1P	1P+N	2P	3P	3P+N	4P	3kV	4.5kV	6kV	10kV	B	C	D	10	30	50	75	100	300
HDB3VR						✓			✓								✓	✓			✓	✓
HDB6VR						✓			✓								✓	✓			✓	✓

Type	Certificate						Temperature	
	CE	IEC-CB	TUV	KEMA	SEMKO	RoHS		
HDB3VR	✓	✓	✓				-25°C ~+40°C	
HDB6VR	✓	✓	✓				-25°C ~+40°C	

Residual Current Devices

Electromagnetic Type Residual Current Switch



HDB6VR

In	10A,16A,25A,32A,40A,63A,80A,100A
Type	A/AC
Poles	2P,4P
Sensitivity	30mA,100mA,300mA
Standard	IEC/EN 61008-1
Certificate	  

Name	Pole	Rated Current	Sensitivity	Type
HDB6VR	2	10	S	A
	↓	↓	↓	↓
	2:2P	10:10A	S:30mA	A:A type
	4:4P	16:16A	Y:100mA	C:AC type
		25:25A	T:300mA	
		40:40A		
		63:63A		
		80:80A		
		100:100A		

Residual Current Devices

Electromagnetic Type Residual Current Switch



HDB3VR

In	10A,16A,25A,32A,40A,63A,80A,100A
Type	A/AC
Poles	2P,4P
Sensitivity	10mA,30mA,100mA,300mA
Standard	IEC/EN 61008-1
Certificate	  

Name	Pole	Rated Current	sensitivity	Type
HDB6VR	2	10	S	A
	↓		↓	↓
	2:2P	10:10A	L:10mA	A:A type
	4:4P	16:16A	S:30mA	C:AC type
		25:25A	Y:100mA	
		40:40A	T:300mA	
		63:63A		
		80:80A		
		100:100A		

Residual Current Devices

Residual Current Operated Circuit Breaker



HDB6v

Poles	1P+N,2P,3P,3P+N,4P
Sensitivity	30mA,100mA,300mA
Standard	IEC 61009-1

Name	Frame	Pole	Sensitivity
HDB6V	32	1N	R100
	↓	↓	↓
	32:32AF 63:63AF	1N:1P+N 2P:2P 3P:3P 4P:4P 3N:3P+N	Default:30mA R100:100mA R300:300mA

Control Devices

Modular Contactor



HDCH8S

Rated Current	16A,20A,25A,40A,63A
Poles	2P,3P,4P
Rated Insulation Voltage Ui	500V
Rated Voltage Ue	250V,400V
Coil Voltage	AC 230V,50/60Hz
Standard	IEC 61095
Certificate	  

Name	Curent	Pole	Contacts type
HDCH8S	25	2	20
	↓	↓	↓
	16: 16A	2: 2P	20: 2NO
	20: 20A	3: 3P	02: 2NC
	...	4: 4P	11: 1NO1NC
	63: 63A		...
			40: 4NO

Time Relay



HDRT8

Time Range	0.1~10s,10~120s,30~480s
Delay Type	Off delay /Power delay
Rated Operational Voltage	AC 230V
Rated Current	5A
Standard	IEC 60947-5

Name	Delay Time	Delay Type
HDRT8	10	B
	↓	↓
	10:0.1-10s	A:off delay
	120:10-120s	B:power delay
	480:30-480s	

Surge Protection Device

Type	In (kA)					Size			Poles						
	20kA	40kA	65kA	80kA	120kA	160kA	18mm	36mm	54mm	1P	1P+N	2P	3P	3P+N	4P
HDY3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Type	Maximum continuous voltage			Accessories			Certificate					Temperature	
	AC275V	AC385V	AC440V	NO	Remote signal	CE	IEC-CB	TUV	KEMA	SEMKO	RoHS		
HDY3	✓	✓	✓	✓	✓							-20°C ~ +60°C	

Surge Protective Device

Surge Protective Device



HDY3

In	20A,40A,65A,80A,120A,160A
Poles	1P,2P,3P,4P,1P+N,3P+N
Maximum continuous working voltage	275/340/385/440V
Standard	IEC 61643-1

Name	Maximum discharge current	Pole	Maximum continuous operational voltage
HDY3	20	1	275
	↓	↓	↓
	20:20kA	1:1P	275:275V
	40:40kA	2:2P	:385V
	65:65kA	3:3P	340:340V
	80:80kA	4:4P	440:440V
	100:100kA	5:1P+N	
	120:120kA	6:3P+N	
	160:160kA		

Distribution Box

Consumer Box



HDPZ50

NO.of loop	Metal box & Plastic Cover 6,8,12,16,20,24 Full Plastic 6,8,12,16,20,24,36
Installation	Surface/Flush
Material	Metal box & Plastic Cover Full Plastic(fire-retardancy) Full Plastic(Non-fire-retardancy)
Standard	IEC 60439-1, IEC 60670
Certificate	CE

Name	Material	Installation	No. of loop
HDPZ50	P	M	6
	↓ Default :Metal box & Plastic Cover P:Full plastic	↓ M:Surface installation R:Flush installation	↓ 6:6 way 8:8 way 12:12 way 16:16 way 20:20 way 24:24 way

Metal Enclosure



HJXF

Dimension	250*200*140-1000*800*300
Material	Metal
Standard	EN 60529
Certificate	CE

Name	Height	Width	Depth	IP
HJXF	25	20	14	B
	↓ 25 :250mm 30 :300mm 40 :400mm 50 :500mm 60 :600mm 70 :700mm 80 :800mm 100 :1000mm	↓ 20 :200mm 25 :250mm 30 :300mm 40 :400mm 50 :500mm 60 :600mm 80 :800mm	↓ 14 :140mm 16 :160mm 18 :180mm 20 :200mm 25 :250mm 30 :300mm	↓ Default:IP43 B:IP43 improved Q:IP54

Contactor

A contactor is a device for opening and closing an electric power circuit.

Type	In (A)																						
	6A	9A	12A	18A	25A	32A	38A	40A	50A	65A	80A	95A	115A	150A	185A	225A	265A	330A	400A	500A	630A	800A	
HDC3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
HDC6		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		
HJX2 4P		✓	✓		✓			✓	✓	✓	✓	✓											
HJX2-F 4P											✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
HDC17K	✓	✓	✓																				

Type	Poles			Auxiliary contact				Coil voltage														
	2P	3P	4P	1NO	1NC	1NO1NC	24V	36V	48V	60V	110V	127V	220V	220/230V	230V	240V	380V	380/400V	400V	415V	440V	
HDC3		✓		✓	✓	✓	✓	✓	✓		✓	✓		✓		✓		✓		✓		✓
HDC6		✓				✓	✓	✓	✓		✓	✓	✓		✓	✓	✓		✓		✓	✓
HJX2 4P			✓		✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓		✓		✓	✓
HJX2-F 4P			✓								✓	✓	✓		✓	✓	✓		✓		✓	✓
HDC17K		✓	✓	✓	✓		✓	✓			✓	✓		✓		✓		✓				

Type	Frequency		Standard	Certificate			Performance
	50Hz	50/60Hz		CE	SEMKO	CB	
HDC3	✓	✓	IEC/EN 60947-4-1	✓	✓	✓	★★☆
HDC6	✓	✓	IEC/EN 60947-4-1	✓	✓	✓	★★★
HJX2 4P		✓	IEC/EN 60947-4-1	✓			★★☆
HJX2-F 4P		✓	IEC/EN 60947-4-1	✓			★★☆
HDC17K		✓	IEC/EN 60947-4-1	✓			★★☆

Contactor

Contactor



HDC3

Nominal Current	6A - 95A
Rated Power	2.2kW - 45kW
Control Circuit Voltage	24V - 440V,50Hz or 50/60Hz
Auxiliary Contacts	6A:1NO,1NC;9~38A:1NO,1NC,1NO1NC; 40~95A:1NO1NC
Matched Thermal Overload Relay	HDR3,HDR3s
Standard	IEC/EN 60947-4-1
Certificate	CE  

Product name	Rated current	Auxiliary Contact	Coil Voltage	Coil Frequency
HDC3	06	10	M	5
	↓	↓	↓	↓
	06: 6A	11:1NO+1NC	B: 24V	5: 50Hz
	...	10:1NO+0NC	...	7: 50/60Hz
	95: 95A	01:0NO+1NC	X: 440V	



HDC6

Nominal Current	9A to 630A
Rated Power	4kW to 335kW
Control Circuit Voltage	24V to 440VAC,50/60Hz
Auxiliary Contacts	9~95A:1NO+1NC
Matched Thermal Overload Relay	HDR6
Standard	IEC/EN 60947-4-1
Certificate	 CE 

Product Name	Rated Current	Auxiliary Contact	Coil Voltage	Coil Frequency
HDC6	9	11	M	
	↓	↓	↓	↓
	09: 9A	11:1NO+1NC	B: 24V	Default:50HZ
	...	00:0NO+0NC	...	7:50/60HZ
	630: 630A		X: 440V	

Contactor

Contactor



HJX2 4P

Current	9A - 95A
Rated Power	4kW-45kW
Control Circuit Voltage	24V - 440V,50/60Hz
Auxiliary Contacts	4NO+0NC,2NO+2NC
Standard	IEC/EN 60947-4-1
Certificate	CE

Product name	Rated current	Main Contact	Coil Voltage	Coil Frequency
HJX2(4P)	09	04	*	*
	↓	↓	↓	↓
	09: 9A	04: 4NO+0NC	B: 24V	7: 50/60Hz
	12:12A	08: 2NO+2NC	...	
	...		X: 440V	
	95: 95A			



HJX2F 4P

Current	115A - 800A
Rated Power	55kW-400kW
Control Circuit Voltage	110V - 440V,50/60Hz
Auxiliary Contacts	N/A
Standard	IEC/EN 60947-4-1
Certificate	CE



Product name	Rated current	Main Contact	Coil Voltage	Coil Frequency
HJX2F(4P)	115	4	*	*
	↓	↓	↓	↓
	115: 115A	4: 4NO+0NC	F: 110V	7: 50/60Hz
	150: 150A		...	
	...		X: 440V	
	800: 800A			

Thermal Overload Relay

Thermal Overload Relay



HDR3

Setting Current	0.1-0.16A, ..., 80-93A
Tripping Class	10,10A
Matched Contactor	HDC3
Standard	IEC/EN 60947-4-1, IEC/EN 60947-5-1
Certificate	CE  

Product name	Frame current	Setting current
HDR3	25	1P6
	↓	↓
	25: 25A	1P6: 1.0-1.6A
	36: 36A	P16: 0.1-0.16A
	93: 93A	...
		93: 80-93A
		P means decimal point



HDR3s

Setting Current	0.1-0.16A, ..., 80-93A
Tripping Class	10,10A
Matched Contactor	HDC3
Standard	IEC/EN 60947-4-1, IEC/EN 60947-5-1
Certificate	CE  

Product name	Frame current	Setting current
HDR3	25	1P6
	↓	↓
	25: 25A	1P6: 1.0-1.6A
	38: 38A	P16: 0.1-0.16A
	93: 93A	...
		93: 80-93A
		P means decimal point

Thermal Overload Relay

Thermal Overload Relay



HDR6

Setting Current	0.1~0.15A, ..., 460~630A
Tripping Class	10,10A
Auxiliary Contacts	1NO+1NC
Matched Contactor	HDC6
Standard	IEC/EN 60947-4-1, IEC/EN 60947-5-1
Certificate	 

Name	Rated Current	Setting Current
HDR6	18	P15
	↓	↓
	18:18A	P15:0.1-0.15
	32:32A	...
	95:95A	95:80-95
	185:185A	...
	630:630A	630: 460-630A
		P means decimal point

Definite Purpose Contactor

Switching Capacitor Contactor



HDC19s

Controlled Capacitor Rate Capacity	12kvar to 60kvar
Rated Control Circuit Voltage	110V to 415V, 50 or 60Hz
Standard	IEC/EN 60947-4-1, IEC/EN 60947-5-1

Name	Rated Conventional thermal current	Auxiliary Contact	Coil Voltage	Coil Frequency
HDC19s	25	11	N	5
	↓	↓	↓	↓
	25:25A	11:1NO+1NC	F: 110V	5:50HZ
	...	20:2NO+0NC	...	7: 50/60Hz
	115:125A	02:0NO+2NC	L: 415V	
		12:1NO+2NC		
		21:2NO+1NC		

Relay

Contactors Relay



HDZ3

Main Contacts	2NO+2NC,3NO+1NC,1NO+3NC,4NO+0NC,0NO+4NC
Rated Control Circuit Voltage	24V - 440V,50/60Hz
Standard	IEC/EN 60947-5-1
Certificate	CE

Product name	Contact	Coil Voltage	Coil Frequency
HDZ3	22	M	5
	↓	↓	↓
	22: 2NO+2NC	B: 24V	5: 50Hz
	31: 3NO+1NC	C: 36V	7: 50/60Hz
	...	...	
	40: 4NO+0NC	X: 440V	



HDZ6

Main Contacts	4NO+1NC,3NO+2NC
Rated operational Current	10A
Rated Control Circuit Voltage	AC 24V to 440V,50/60Hz
Standard	IEC/EN 60947-5-1
Certificate	CE S

Name	Contact	Coil Voltage	Coil Frequency
HDZ6	32	N	7
	↓	↓	↓
	32:3NO+2NC	B: 24V	Default:50HZ
	42:4NO+1NC	...	7:50/60HZ
		X: 440V	

Relay

Miniature Relay



HDZ8P

Rated Current	3A,5A,10A
Coil Voltage	AC6V-380V,DC6V-220V
Poles	2P,3P,4P
LED	LED, No LED

Name	Rated Current	Pole	LED	Voltage	Voltage Type
HDZ8P	05	2	L	M	1
	↓	↓	↓	↓	↓
	03:3A	2:2P	Default:None	I:6V	1:AC
	05:5A	3:3P	L:LED	...	Z1:DC
	10: 10A	4:4P		N:230V	
				Q: 380V	

Electronic Time Relay



HJSZ3

Working Mode(AC-15)	A: Relay after power-on
	F: Relay after power-off
Rated Working Voltage	120/240/400V

Name	Relay Mode	Relay Time	Rated Working Voltage
HJSZ3	A	2	120
	↓	↓	↓
	A:Relay after power-on	A:0.05-0.5/5s/30s/3M	120:120V
	F:Relay after power-off	...	240:240V
		G:0.4M-4M/40M/4h/24h	400:400V
		1S:0.1-1S	
		...	
		30M:3-30min	

Relay

Phase Failure and Sequence Protection Relay



HXJ9

Voltage	380/400V
Contact Mode	1NO,1NC
Contact Endurance	5A Resistive
Phase Failure & Phase Wrong Protect Time	Reaction time ≤ 2S
Standard	IEC 60947-5-1

Product name	Voltage
HXJ9	400
	↓
	Default: 380V
	400: 400V

Motor Protector

Motor Protector



HDP6

Frame	32
Setting Range	0.1-32A
Rated Insulation Voltage U_i	690V
Rated Impulse Withstand Voltage U_{imp}	6kV
Rated Operational Voltage U_e	690V
Rated Operational Frequency	50/60Hz
Trip Class	10A
Standard	IEC 60947-1, IEC 60947-2, IEC 60947-4-1
Certificate	CE 

Name	Frame Current	Setting Current
HDP6	32	P16
	↓	↓
	32: 32A	P16: 0.1-0.16A
		...
		32: 24-32A
		P means decimal point

Magnetic Starter

Magnetic Starter



HDS6

Frame	32A,95A
Setting Current	0.1-0.15A ... 80-93A
Coil Voltage	24-415V
Rated Operational Voltage	240V,400V,440V,690V
Rated Insulation Voltage	690V
Rated Operational Frequency	50/60Hz
Standard	IEC 60947-4
Certificate	CE

Product name	Frame size rated current	Rated current	Control Voltage & Rfrequency	Setting Current
HDS6	32	09	N	4P8
	↓	↓	↓	↓
	32: 32A	09: 09A	B:24V 50/60HZ	P15: 0.1-0.15A
	...	...	...	...
	95: 95A	95: 95A	V:400V 50/60HZ	95: 80-95A

Control Signal

Indicator Light



HLD11

IP Degree	IP65
AC Ue	220/230/380V
AC/DC Ue	6/12/24/36/48/110/220V (Only A&B type have 220V 230V 380V)
Color	White/Green/Red/Yellow/Blue

Name	Dimension	Type	Step down type	Head shape	Voltage	Color
HLD11	22	A	2	1	B	7
	↓	↓	↓	↓	↓	↓
	22: Ø22mm 16: Ø16mm 25: Ø25mm	A: Full cover head & long terminal B: Half cover head & long terminal C: Full cover head & short terminal D: Half cover head & short terminal	2: Resistance type 4: Capacitance type	0: Ball 1: Flat round 4: Square	T: 6V J: 12V B: 24V F: 110V M: 220V N: 230V Q: 380V	7: White 3: Green 4: Red 5: Yellow 8: Blue

Control Signal

Pushbutton Switches



HLAY5

IP Degree	IP55
Rated voltage & current	AC-15:380V/2A 220V/3.3A DC-13:220V/0.5A 110V/1.1A
Light Type	LED, Neon, Filament
Button Type	Momentary, Selective button with short handle, Selective button with long handle, Key-operated selective switches, Mushroom, Emergency, Two-head, Flush, Indication lamp
Color	White/Green/Red/Yellow/Blue/Orange

FLUSH BUTTON/ MUSHROOM BUTTON



Name	Material	Type	Color *	NO/NC
HLAY5	B	A	1	1
	↓	↓	↓	↓
	B: Metal E: Plastic	A: Momentary C: Ø40 Mushroom R: Ø60 Mushroom	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC

* Only green & red color are available for mushroom button

SELECTIVE BUTTON SWITCH



Name	Material	Type	Color *	NO/NC
HLAY5	B	D	2	1
	↓	↓	↓	↓
	B: Metal E: Plastic	D: Selective button with short handle J: Selective button with long handle G: Key-operated selective switches	20: 2P 30: 3P 21: 2P reset 33: 3P reset	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC

Control Signal

Pushbutton Switches

HLAY5



EMERGENCY STOP BUTTON

Name	Material	Type	Diameter of head	Color	NO/NC
HLAY5	B	S	4	3	1
	↓ B: Metal E: Plastic	↓ S: Emergency	↓ 4: Ø30mm 5: Ø40mm 6: Ø60mm	↓ 3: Green 4: Red	↓ 1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC



TWO-HEAD BUTTON

Name	Material	Type	Head	No. of head	NO/NC
HLAY5	B	S	3	3	1
	↓ B: Metal E: Plastic	↓ L8: Two-headed	↓ 3: Flush button 4: One high, one low	↓ 2: 2 head	↓ 5: 1NO+1NC



ILLUMINATED PUSHBUTTON SWITCHES

Name	Material	Type	Color/Head	Voltage	NO/NC	Light
HLAY5	B	S	3	3	1	N
	↓ B: Metal E: Plastic	↓ W3: Flush W8: Two head	↓ 1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue ... 4*: One high, one low	↓ T: 6V B: 24V F: 110V M: 220V Q: 380V	↓ 1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	↓ N: Neon L: LED Default: Filament

* Only for Two head buttons



Control Signal

Pushbutton Switches

HLAY5



INDICATION LAMP

Name	Material	Type	Voltage	Color/Head	Light
HLAY5	B	V	T	3	N
	↓	↓	↓	↓	↓
	B: Metal	V: Indication	T: 6V B: 24V F: 110V M: 220V Q: 380V	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue	N: Neon L: LED Default: Filament



BASE

Name	Type	Contact
HLAY5	BE	101
	↓	↓
	BE: Auxiliary contact	101: 1NO 102: 1NC 103: 2NO 104: 2NC 105: 1NO+1NC

Control Signal

Pushbutton Switches



HLAY7

Rated voltage & current	AC-15:660V/1.1A,380V/2.0A/220V/3.3A DC-13:440V/0.25,220V/0.5A,110V/1A
Button Type	Momentary (illuminated,unilluminated) Maintained (illuminated,unilluminated) Full protection, Selective (illuminated) Key-operated, Mushroom, Emergency,
Color	White/Green/Red/Yellow/Blue

FLUSH BUTTON

Name	NO/NC	Type	Color *	Installation
HLAY7	11	BN	1	2
	↓	↓	↓	↓
	10: 1NO	BN: Momentary	1: White	2: Ø22mm
	01: 1NC	BNZS: Maintained	2: Black	3: Ø25mm
	20: 2NO	GN: Momentary	3: Green	4: Ø30mm
	02: 2NC	GNZS: Maintained	4: Red	
	11: 1NO+1NC	JN: Full protection	5: Yellow	
			6: Blue	

* Only green & red color is available(except for BN type)

SELECTIVE SWITCHES

Name	NO/NC	Type	Operation	Color	Installation
HLAY7	11	X	20	2	2
	↓	↓	↓	↓	↓
	10: 1NO	X: Selective button	20: 2P	2: Black	2: Ø22mm
	01: 1NC	with short handle	30: 3P	3: Green	3: Ø25mm
	20: 2NO	XB: Selective button	21: 2P reset	4: Red	4: Ø30mm
	02: 2NC	with long handle	31: 3P reset	Blank: key	
	11: 1NO+1NC	Y: Key-operated	33: 3P reset	operated switch	
		selective switches			



Control Signal

Pushbutton Switches

HLAY7



MUSHROOM BUTTON/ EMERGENCY STOP BUTTON

Name	NO/NC	Type	Color *	Installation
HLAY7	11	M	3	2
	↓	↓	↓	↓
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	M: Momentary MZS: Maintained ZS: Emergency	3: Green 4: Red	2: Ø22mm 3: Ø25mm 4: Ø30mm



ILLUMINATED PUSHBUTTON SWITCHES

Name	NO/NC	Type	Color *	Voltage	Installation	Light
HLAY7	11	D	3	T	2	N
	↓	↓	↓	↓	↓	↓
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	D: Momentary (Illuminated) DZS: Maintained (Illuminated) DM: Momentary (Illuminated) DMZS: Maintained (Illuminated)	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: Ø22mm 3: Ø25mm 4: Ø30mm	N: Neon L: LED Default: Filament

* Only green & red colors are available for DM and DMZS type.



ILLUMINATED SELECTIVE SWITCHES

Name	NO/NC	Type	Operation	Voltage	Installation	Light
HLAY7	11	D	20	T	2	N
	↓	↓	↓	↓	↓	↓
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	XD: Selective (Illuminated)	20: 2P 30: 3P 	T: 6V B: 24V F: 110V M: 220V Q: 380V	2: Ø22mm 3: Ø25mm 4: Ø30mm	N: Neon L: LED Default: Filament

Control Signal

Pushbutton Switches

HLAY7



INDICATION LAMP

Name	Type	Color/Head	Voltage	Installation
HLAY7	XD1	3	T	2
	↓	↓	↓	↓
	XD1: Filament	1: White	T: 6V	2: Ø22mm
	XD2: Neon	3: Green	B: 24V	
	XD3: LED	4: Red	F: 110V	
		5: Yellow	M: 220V	
		6: Blue	Q: 380V	
		7: Pure white		
		8: Pure blue		

BASE



Name	Type	Contact
HLAY7	BE	101
	↓	↓
	BE: Auxiliary contact	101: 1NO
		102: 1NC
		103: 2NO
		104: 2NC
		105: 1NO+1NC

Control Signal

Pushbutton Switches



HLAY8

Light Type	LED
Button Type	Momentary (illuminated,unilluminated) Maintained (illuminated,unilluminated) Waterproof (illuminated,unilluminated) Selective button with short handle, Selective button with long handle, Key-operated,
Color	White/Green/Red/Yellow/Blue



FLUSH BUTTON

Name	NO/NC	Type	Color *
HLAY8	11	BN	1
	↓	↓	↓
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	BN: Momentary BNZS: Maintained S: Waterproof	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue

* Only green, red, yellow color are available for BNZS & S type



MUSHROOM BUTTON/ EMERGENCY STOP BUTTON

Name	NO/NC	Type	Color
HLAY8	11	M	3
	↓	↓	↓
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	M: Momentary MZS: Maintained ZS: Emergency	3: Green 4: Red

Control Signal

Pushbutton Switches

HLAY8



SELECTIVE SWITCHES

Name	NO/NC	Type	Operation	Color
HLAY8	11	X	20	2
	↓	↓	↓	↓
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	X: Selective button with short handle XB: Selective button with long handle Y: Key-operated selective switches	20: 2P 30: 3P 21: 2P reset 31: 3P reset 33: 3P reset	2: Black 3: Green 4: Red Blank: key operated switch



ILLUMINATED PUSHBUTTON SWITCHES

Name	NO/NC	Type	Color *	Voltage	Power
HLAY8	11	D	3	T	2
	↓	↓	↓	↓	↓
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	D: Momentary (Illuminated) DZS: Maintained (Illuminated) DS: Waterproof (Illuminated)	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: AC/DC 4: AC

* Only green & red colors are available for DM and DMZS type.



BASE

Name	Type	Contact
HLAY8	BE	101
	↓	↓
	BE: Auxiliary contact	101: 1NO 102: 1NC 103: 2NO 104: 2NC 105: 1NO+1NC



Fuse

Fuse



HRT16

Fuse Link Type	00C,00,1,2,3
In	2-630A

Name	Suitable Fuse Bases	Rated Current In (A)
HRT16	00	2
	↓	↓
	00:HRT16-00	2: 2A
	1:HRT16-1	4: 4A
	2:HRT16-2	...
	2:HRT16-3	630:630A



HRT16 Base

Base Type	00,1,2,3
In	160,250,400,630

Name	Base type	Material
HRT16	00	ZS
	↓	↓
	00:HRT16-00C, HRT16-00	ZS: Resin base
	1:HRT16-1	
	2:HRT16-2	
	2:HRT16-3	

Fuse

Fuse



HRT18

Cylindrical Fuse Type	32,63
In	2-63A
Size	10×38,14×51



HRT18 Fuse Holder

Holder Type	32X,32,63X,63
Pole	1-3P
In	32,63
Material	Resin with Indicator Resin without Indicator Nylon with Indicator Nylon without Indicator

Name	Suitable Fuse Bases	Rated Current In (A)
HRT18	1038	2
	↓	↓
	1038: 10*38	2: 2A
	1451: 14*51	...
		63: 63A

Industrial Plug & Socket

Industrial Plug & Socket



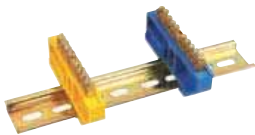
HDPM,HDP,HDSM,HDSF,HDPS

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

Name	Pole No.	Current (A)	IP	Nominal Voltage (V)
HDPM	3	32	IP44	1
↓	↓	↓	↓	↓
HDPM: Moving industrial plugs	3:2P+E	16: 16A	IP44: IP44	1:110-130V
HDP: Fixed industrial plugs	4:3P+E	32: 32A	IP67: IP67	Default : Other voltage
HDSM: Moving Industrial sockets	5:3P+N+E	63: 63A		
HDSF: Fixed industrial sockets		125: 125A		
HDPS: Multi-function plugs and sockets				

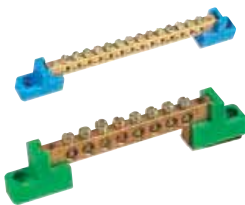
Terminal Block

Terminal Block



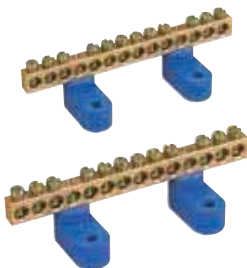
HTB010

Hole	4,6,8,10,12,14,16
Hole Diameter	5.2mm,6mm
Cross Section	6*9mm,8*12mm
Screw Dimension	M4*8mm,M5*10mm
Max Current	100A,150A



HTB019

Hole	4,6,8,10,12,14,16
Hole Diameter	5.2mm,6mm
Cross Section	6*9mm,8*12mm
Screw Dimension	M4*8mm,M5*10mm
Max Current	100A,150A

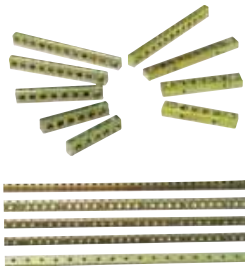


HTB007

Hole	6,8,10,12,14,16
Hole Diameter	5.2mm,6mm
Cross Section	6*9mm,8*12mm
Screw Dimension	M4*8mm,M5*10mm
Max Current	100A,150A

Terminal Block

Terminal Block



HTB043

Hole	78,109,116,133
Hole Diameter	5 ~ 9mm
Screw Dimension	M4*8mm ~ M6*12mm
Max Current	100 ~ 200A



HTB112

Hole	2*7,2*15,4*7,4*11,4*15
Hole Diameter	5.2mm
Screw Dimension	M4
Max Current	125A

Product name	Product type	Cross section	Number of holes	Setting current
HTB	010	0609	W4	*
	↓	↓	↓	↓
	010: 010 type	0609: 6mm*9mm	W4: 4 holes	Y: Yellow
	019: 019 type	0812: 8mm*12mm	W6: 6 holes	B: Blue
	007: 007 type	...	...	G: Green
	043: 043 type	blank: 112 type product	W16: 16 holes	...
	112: 112 type		W078: 78 holes	P7: 7 holes per line
			...	P15: 15 holes per line
			W133: 133 holes	...
				* means supportor color
				* also means holes per line for HTB112

Cable Connector

Cable Connector



HCF

Thread External Diameter	12,16,20,25,32,40,50,63mm
	7,9,11,13.5,16,21,29,36,42,48mm
Working Temp	- 40°C ~ + 100°C
Max Temp. In Short Time	+ 120°C

Name	Type	Thread External Diameter (mm)	IP	Color
HCF	MG	12	IP54	B
	↓	↓	↓	↓
	MG	7: 7mm	IP54: IP54	B:Black
	PG	...	IP68: IP68	W:Gray
		63: 63mm		

Current Transformer

Current Transformer



HLMK

Primary Current	30-5000A
Secondary Current	5A
Maximum Voltage	0.66kV
Class	0.5,1.0
Rated Security Coefficient	FS < 5
Standard	IEC 60044-1

Name	Class	Current Ratio (A)	Bar (mm)
HLMK	P6	30	30
	↓	↓	↓
	P6: class 0.5	30:30/5	30:30*10
	maximum voltage 0.66KV	...	...
	P6P: class 1	5000:5000/5	120:120*10 or 80*30
	maximum voltage 0.66KV		

Control Transformer

Control Transformer



HBK

Rated Voltage	≤ 1200V
Rated Frequency	50Hz, 60Hz
Insulation Resistance	≥ 5MΩ
Insulation Class	B
Rated Duty	Uninterrupted Duty
Standard	IEC 61558-2-2

Product	Rated Capacity	Voltage Ratio (input/output)	Isolation
HBK	1000	E9	G
	↓	↓	↓
	00025: 25VA	D1: 380V/220V	Default: no isolation
	00050: 50VA	D2: 380V/36V	G: isolation
	00060: 60VA	D3: 380V/24V	
	00063: 63VA	D7: 220V/220V	
	00100: 100VA	D8: 220V/36V	
	00150: 150VA	D9: 220V/24V	
	00200: 200VA	D5V: 380V/5V	
	00250: 250VA	E1: 400V/230V	
	00300: 300VA	E7: 230V/230V	
	00400: 400VA	E8: 230V/36V	
	00500: 500VA	E9: 230V/24V	
	00600: 600VA	E5V: 230V/5V	
	00630: 630VA		
	00700: 700VA		
	00800: 800VA		
	01000: 1000VA		
	01200: 1200VA		
	01500: 1500VA		
	02000: 2000VA		
	02500: 2500VA		
	03000: 3000VA		
	04000: 4000VA		
	05000: 5000VA		
	06000: 6000VA		
	07000: 7000VA		
	08000: 8000VA		
	10000: 10KVA		
	15000: 15KVA		
	20000: 20KVA		

Meter

Single-phase Electronic Watt-hour Meter



HDD5606

Type	Single-phase
Current Specification	1.5(6)A,3(6)A,2.5(10)A,5(20)A,5(30)A,10(40)A 15(60)A,20(80)A,30(100)A
Voltage	230V
Power Loss	Voltage circuit $\leq 2W$ per 10VA, Current circuit $\leq 4VA$
Normal Working Temp	- 10°C ~ + 45°C
Limited Working Temp	- 25°C ~ + 55°C
Standard	IEC 62053-21



Model	Voltage	Accuracy class	Specification	Optional function	Optional function	Optional function	Optional function	Optional function
HDD5606	N	1	6M4	6	H	CD	485	I
	↓	↓	↓	↓	↓	↓	↓	↓
	N:230V	1: Class 1 1.0~1.5% error 2: Class 2 2.0~2.5% error	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) 5A Default: Direct Connection or dial display	CD: LCD display Default: without LCD display	485: 485 interface Default: without 485 interface	I: infrared Default: without infrared

Note: "M" in the specification code represents multiple of current.

Meter

Three-phase Four-wire Electronic Watt-hour Meter



HDTS607

Type	Three-phase
Current Specification	1.5(6)A,3(6)A,2.5(10)A,5(20)A,10(40)A 15(60)A,20(80)A,30(100)A
Voltage	57.7/100V,230/400V
Power Loss	Voltage circuit $\leq 2W$ per 10VA, Current circuit $\leq 4VA$
Normal Working Temp	- 10°C ~ + 45°C
Limited Working Temp	- 25°C ~ + 55°C
Standard	IEC 62053-21

Name	Voltage	Classic	Current Specification
HDTS607	NV	1	6M4
	↓	↓	↓
	NV:230/400V WY:57.7/100V	1:1.0	6M4:1.5 (6) A ... 100M3:30 (100) A M means current multipul

Meter

Three-phase Three-wire Electronic Watt-hour Meter



HDSS607

Type	Three-phase
Current Specification	1.5(6)A,3(6)A,5(20)A,10(40)A 15(60)A,20(80)A,30(100)A
Voltage	100V,400V
Power Loss	Voltage circuit $\leq 2W$ per 10VA, Current circuit $\leq 4VA$
Normal Working Temp	- 10°C ~ + 45°C
Limited Working Temp	- 25°C ~ + 55°C
Standard	IEC 62053-21

Name	Voltage	Classic	Current Specification
HDSS607	V	1	6M4
	↓	↓	↓
	V:400V Y:100V	1:1.0	6M4:1.5 (6) A ... 100M3:30 (100) A M means current multipul

Meter

Panel Meter



H72 Series

Type	Ammeter,Voltmeter,Frequency meter
Specification	72*72mm
Response Time	≤ 4s
Impact Test	Max acceleration 147m/s ²
Angular Deflection	90°
Working Temp.	- 25°C ~ + 40°C
Standard	IEC 60051
Certificate	CE



H96 Series

Type	Ammeter,Voltmeter,Frequency meter
Specification	96*96mm
Response Time	≤ 4s
Impact Test	Max acceleration 147m/s ²
Angular Deflection	90°
Working Temp.	- 25°C ~ + 40°C
Standard	IEC 60051
Certificate	CE

Name	Type	Specification	Note
H72	TA	30	A
↓	↓	↓	↓
H72: 72mm panel meter	TA: AC Ampere meter CA: DC Ampere meter	30:30/5A ...	A: Direct connect ammeter
H96: 96mm panel meter	LV: AC Voltmeter CV: DC Voltmeter LHZ01: Frequency meter 45-55Hz LHZ02: Frequency meter 55-65Hz LHZ03: Frequency meter 45-65Hz	10000:10000/5A 300: 300V (for voltmeter) ... 600: 600V (for voltmeter) ... 230V: 230V frequency meter	

Digital Time Switch

Digital Time Switch



HKG316T

Rated Control Voltage	230/400V AC
Output Loops	10-ON-10-OFF (Singal output) 8-ON-8-OFF (Double output)
Contactor Endurance	250V/25A(Resistive)



HKG316TD

Rated Control Voltage	230/400V AC
Output Loops	16-ON-16-OFF
Contactor Endurance	250V/20A(Resistive)

Name	Output Loops	Rated Control Voltage
HKG316	T	230
	↓	↓
	T:10-on-10-off	230:AC230V
	TD:16-on-16-off	400:AC400V
	T2: 8-on-8-off	



HKG816

Rated Control Voltage	230V AC
Output Loops	A (Non-transparent cover):16-ON-16-OFF B (Transparent cover):8-ON-8-OFF
Contactor Endurance	250V/5A(Resistive)

Name	Output Loops	Rated Control Voltage
HKG816	B	230
	↓	↓
	B:Transparent cover 8-on-8-off	230:AC230V
	A:Non-transparent cover 16-on-16-off	

Voltage Stabilizer

Range	Capacity														
	0.5kVA	1kVA	1.5kVA	2kVA	3kVA	4.5kVA	5kVA	6kVA	7kVA	9kVA	10kVA	15kVA	20kVA	30kVA	45kVA
HTND	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HTND3		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HSVCB					✓	✓	✓	✓	✓	✓	✓				
HAVRL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HSJW			✓		✓	✓		✓		✓	✓	✓	✓	✓	✓
HSBW											✓	✓	✓	✓	✓

Range	Capacity										Type			
	200kVA	250kVA	300kVA	400kVA	500kVA	600kVA	800kVA	1000kVA	1600kVA	2000kVA	Single phase	Hight precision	Three phase	Servo motor
HTND											✓			✓
HTND3											✓			✓
HSVCB											✓	✓		✓
HAVRL											✓			✓
HSJW													✓	✓
HSBW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓

Range	Efficiency				Accuracy				Standard	Certificate			
	≥ 90%	≥ 92%	≥ 98%	≥ 98%	± 8%	± 4%	± 3%	± 3%		CE	SEMKO	CB	KEMA
HTND	✓					✓			EN 61000-6-2,61000-6-4,61558-1	✓			
HTND3	✓					✓			EN 61000-6-2,61000-6-4,61558-1	✓			
HSVCB		✓							EN 61000-6-2,61000-6-4,61558-1	✓			
HAVRL		✓			✓				EN 61000-6-2,61000-6-4,61558-1				
HSJW	✓					✓			EN 61000-6-2,61000-6-4,61558-1				
HSBW				✓			✓		EN 61000-6-2,61000-6-4,61558-1				

Voltage Stabilizer

Single-phase Full Automatic AC Voltage Stabilizer



HTND

Output Voltage	220/230V,110V(1-5kVA)
Input voltage range	150-250V(0.5~10kVA),150~290V(15~30kVA)
Power Rating	0.5kVA-30kVA
Connection	Europe plug British plug terminal connection
Shape	Desktop/Cabinet
Voltage Regulator Accuracy	±4%
Standard	EN 61000-6-2,EN 61000-6-4,EN 61558-1

Name	Power Rating	Shape	Connect Type	Output Voltage
HTND	P5	G	HE	230
	↓	↓	↓	↓
	1:1K	Default: Desktop	HE: Europe plug	Default:220V
	...	G: Cabinet	HB: British plug	230:230V
	30:30K		H: Terminal connect	
	P means decimal point			



HTND3

Output Voltage	220/230V,110V(1-5kVA)
Input voltage range	150-250V(1~10kVA),150~290V(15~30kVA)
Power Rating	1kVA-30kVA
Connection	Europe plug British plug terminal connection
Shape	Desktop/Cabinet
Voltage Regulator Accuracy	±4%
Standard	EN 61000-6-2,EN 61000-6-4,EN 61558-1

Name	Power Rating	Shape	Connect Type	Output Voltage
HTNDC	1	G	HE	230
	↓	↓	↓	↓
	1:1K	Default: Desktop	HE: Europe plug	Default:220V
	...	G: Cabinet	HB: British plug	230:230V
	30:30K		H: Terminal connect	
	P means decimal point			

Voltage Stabilizer

Single-phase Full Automatic AC Voltage Stabilizer



HSVC-B

Output Voltage	220x (1±4%)
Input voltage range	110~250 or 150~250(Optional input voltage range)
Power Rating	3kVA-10kVA
Shape	Wall hanging
Voltage Regulator Accuracy	±4%
Standard	EN 61000-6-2,EN 61000-6-4,EN 61558-1

Product name	Rated power kVA	Structure	Input voltage	Other features
HSVCB	10	C	I110	WF
↓	↓	↓	↓	↓
HSVCB: HSVC-B	3: 3kVA 5: 5kVA 7: 7kVA 10: 10kVA	Default: Pointer display C: LCD display	Default: 150V~250V input I110: 110V~250V input	WF: With fan FD: With fan, With delay



HAVRL

Output Voltage	220(±8%);110(±10%)
Input voltage range	85~250V
Power Rating	0.5kVA-10kVA
Shape	Desktop
Efficiency	< 90%
Standard	EN 61000-6-2,EN 61000-6-4,EN 61558-1

Model	Rated power(kVA)	Shape	Terminal type	Output voltage	Time delay option
HAVRL	P5		HB	230	WD
↓	↓	↓	↓	↓	↓
P5: 0.5 1P5: 1.5 ... 10: 10kVA		Default: desktop type G: Cabinet type	HB: British socket HE: European socket H: Terminal connect type	Default: 220V output 230: 230V output	Default: without time delay WD: with time delay

Voltage Stabilizer

Three-phase Full Automatic AC Voltage Stabilizer



HSJW

Power Rating	1.5kVA-60kVA
Shape	Desktop/Cabinet
Input voltage range	260~430V(1.5~30KVA), 304~456V(45~60KVA)
Voltage Regulator Accuracy	± 4%

Name	Power Rating	Shape
HSJW	1P5	G
	↓	↓
	1P5:1.5kVA	Default: Desktop
	3:3kVA	Only for 1.5kVA-4.5kVA
	...	G: Cabinet
	60: 60kVA	
	P means decimal point	

Voltage Stabilizer

Three-phase Compensation AC Voltage Stabilizer



HSBW

Power Rating	10kVA-2000kVA
Input voltage range	304V~456V
Voltage Regulator Accuracy	±4%

Name	Power Rating
HSBW	10
	↓
	10:10kVA
	15:15kVA
	...
	2000: 2000kVA

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A Company to Serve You Wherever You Are

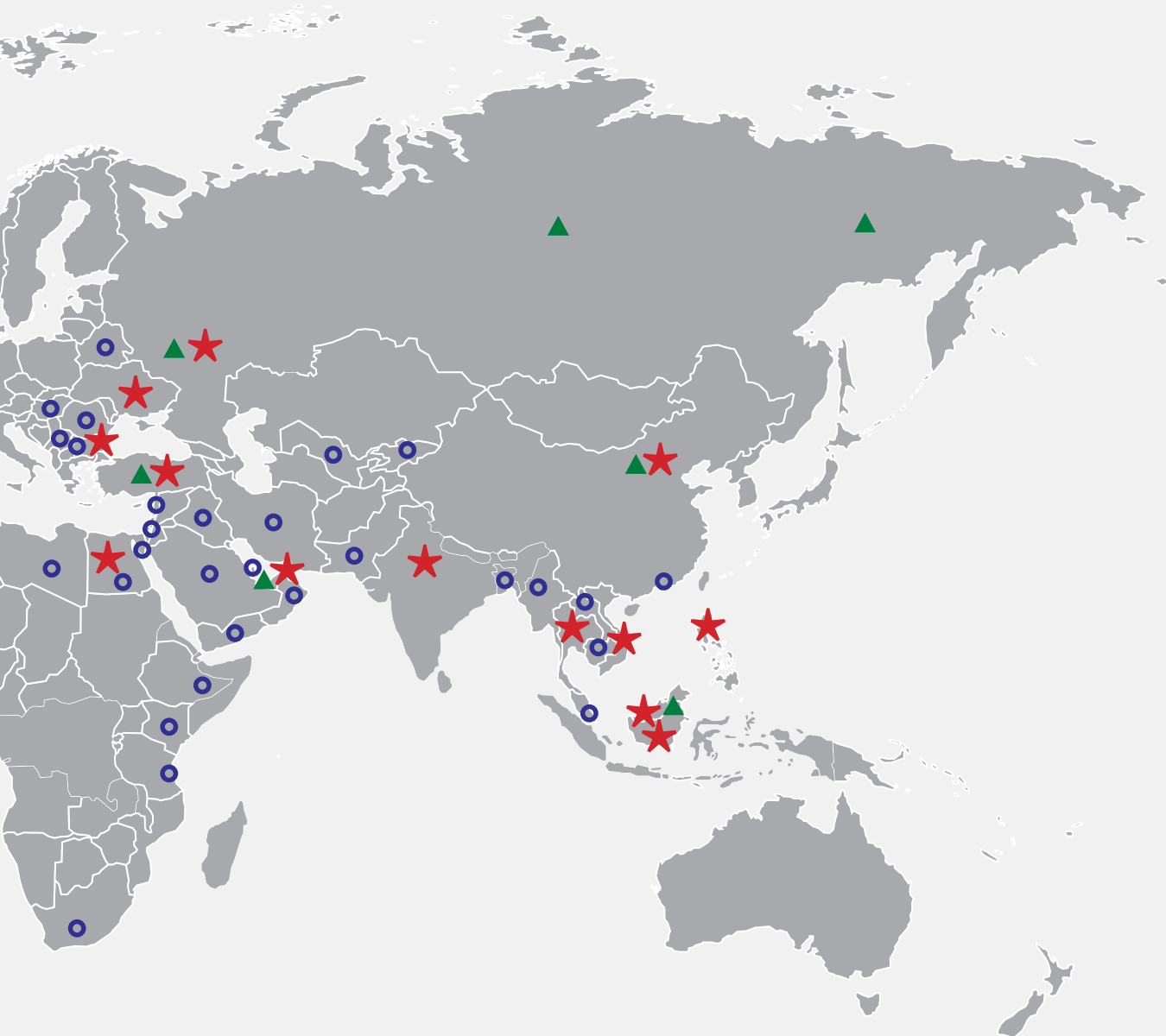


Himel
The Right Choice.





The Right Choice!



- ▲ means where we have a stock
- ★ means where we have a sales company
- means where we have agents "only"

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