Tesla Kala
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Catalogue

Reliable made affordable

Himel

Teslakala.com

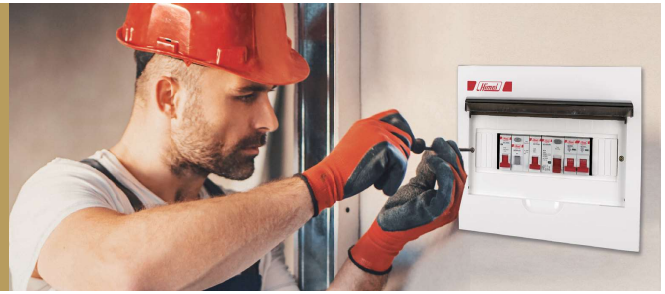
About Himel

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.

Himel. Reliable made affordable

Final Distribution



3 Series

3 Series Miniature Circuit Breakers

HDB3w HDB3wH HDB3w-125 HDB3wP HDB3wHP HDB3wZ

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

3 Series RCBO

HDB3wLE HDB3wHLE HDB3wLE-125 HDB3wPLEY63 HDB3wHPLE

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

3 Series RCCB & Switch Disconnectors

HDB3VR

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

HDG3 Switch disconnector

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

3 Series Accessories

OF SD MO MV MVMN

9 Series

9 Series Miniature Circuit Breakers

HDB9 HDB9P HDB9Z

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

9 Series RCBO

HDB9LE HDB9LM HDB9PLE

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

9 Series Switch Disconnectors

HDG9

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

9 Series Accessories

SD OF MX+OF

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

Online content

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	25mm²		50mm²	16mm²		25mm²
Maximum torque	2.5N.m		3.5N.m	1.5N.m		2.5N.m
Tool	Cross head screwdriver or flat head screwdriver		Cross head screwdriver or flat head screwdriver	Cross head screwdriver or flat head screwdriver		Cross head screwdriver or flat head screwdriver
Installation	35mm DIN rail		35mm DIN rail	35mm DIN rail		35mm DIN rail
Line incoming type	Top or bottom		Top or bottom	Top or bottom		Top or bottom

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 netral RCBO without indicator **HDB3wHPLE:** Phase netral RCBO with indicator	**Default:** 4.5kA **A:** 3kA HDB3wHPLE only	**Default:** 1P+N	**C:** Type C **D:** Type D	**6:** 63A **10:** 10A **16:** 16A **20:** 20A **32:** 32A **40:** 40A **50:** 50A (PLEY63 only) **63:** 63A (PLEY63 only)	**Default:** 30mA	**Default:** NO **G:** Over-voltage protection (Only HDB3wHPLE)

Online content

HDB3wLE HDB3wHLE HDB3wLE-125 HDB3wPLEY63 HDB3wHPLE

3 Series RCBO

Standard: IEC/EN 61009-1

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

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 **25:** 25A **32:** 32A **40:** 40A **50:** 50A **63:** 63A **80:** 80A **100:** 100A **125:** 125A

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

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:** AC Type **A:** A Type

Technical parameters	
RCCB	**HDB3VR**
Electrical characteristics	
Standard	IEC 61008-1
Certificate	CE, TUV, ROHS
Rated insulation voltage Ui	500V
Frequency	50/60Hz
Rated operational voltage Ue	240 (2P) 415V (4P)
Rated short-circuit capacity Icn	6kA
Rated impulse withstand voltage Uimp	4kV
Pollution class	2
Type	A , AC Type
Isolation function	Yes
Rated residual operating current I△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℃
Operating ambient temperature	- 20℃ ~ + 60℃
Storage temperature	- 40℃ ~ + 70℃
Installation Features	
Maximum wiring capacity	25mm² (≤63A) 35mm² (> 63A)
Maximum torque	Rated current 6-32A: 2.5N.m Rated current 40-63A: 3N.m
Installation	35mm DIN rail
Line incoming type	Top or bottom

3 Series Accessories for MCB & RCBO

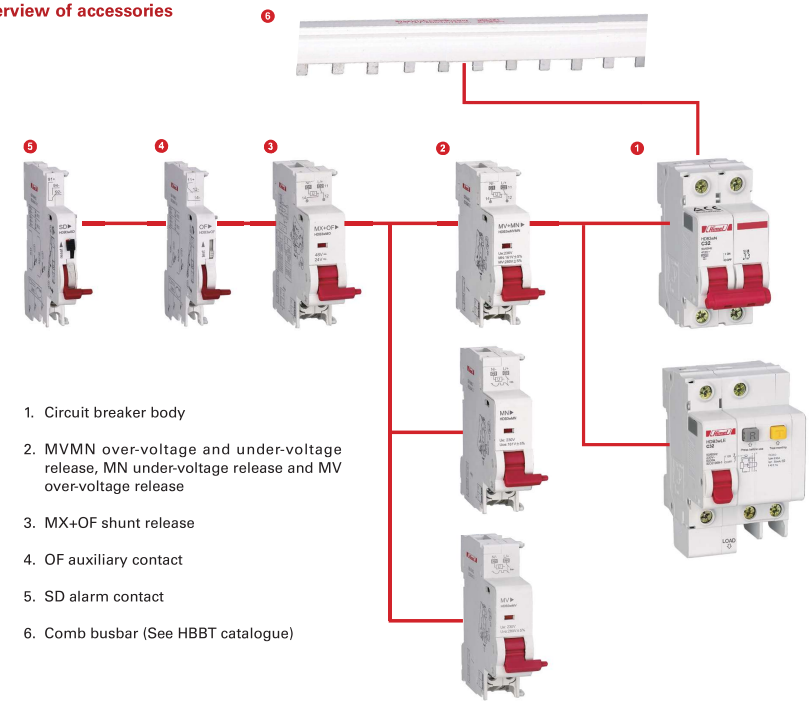
Standard: IEC/EN 60947

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	1~2.5mm²	1~2.5mm²	1~2.5mm²	1~2.5mm²	1~2.5mm²	1~2.5mm²
Width	9mm	9mm	18mm	18mm	18mm	18mm
Installation side of MCB	Left	Left	Left	Left	Left	Left
Max installation quantity	6	3	2	2	2	2

Remark: Maximum width of the accessory assembly is 54mm

Overview of accessories



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)

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, D Type	C Type	B, C, D Type
Energy limiting class 3	B, C Type	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	25mm²	16mm²	25mm²
Maximum torque	2.5N.m	1.5N.m	2.5N.m
Tool	Cross head screwdriver or flat head screwdriver	Cross head screwdriver or flat head screwdriver	Cross head screwdriver or flat head screwdriver
Installation	35mm DIN rail	35mm DIN rail	35mm DIN rail
Line incoming type	Top or bottom	Top or bottom	Top or bottom

9 Series RCBO

Standard: IEC/EN 61009-1

Range presentation

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

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

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 I△n	30, 50, 75, 100, 300mA	30, 300mA	30mA
Tripping characteristics	C, D Type	C Type	C, D Type
Mechanical characteristics			
Mechanical endurance	20000	20000	20000
Electrical endurance	10000	10000	4000
Protection class	IP40 (Installed in DB box) IP20 (Installed directly)	IP40 (Installed in DB box) IP20 (Installed directly)	IP40 (Installed in DB box) IP20 (Installed directly)
Mechanical shock resistance	30g, 3 shocks, lasting 11ms	30g, 3 shocks, lasting 11ms	30g, 3 shocks, lasting 11ms
Rated ambient temperature	30°C	30°C	30°C
Operating ambient temperature	– 30°C ~ + 70°C	– 30°C ~ + 70°C	– 30°C ~ + 70°C
Storage temperature	– 40°C ~ + 70°C	– 40°C ~ + 70°C	– 40°C ~ + 70°C
Installation features			
Maximum wiring capacity	Rated current 6-32A: 16mm² Rated current 40-63A: 25mm²	25mm² (< 40A) 35mm² (≥ 40A)	16mm²
Maximum torque	Rated current 6-32A: 2N.m Rated current 40-63A: 2.5N.m	3N.m (< 40A) 3.5N.m (≥ 40A)	1.5N.m
Tool	Cross head screwdriver or flat head screwdriver	Cross head screwdriver or flat head screwdriver	Cross head screwdriver or flat head screwdriver
Installation	35mm DIN rail	35mm DIN rail	35mm DIN rail
Line incoming type	Top	Top	Top

9 Series Switch Disconnectors

Standard: IEC 60947-3

Range presentation

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

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

Features

- Rated current up to 125A
- High performance

Online content

HDG9

Selection code

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

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

9 Series Accessories

Standard: IEC/EN 60947

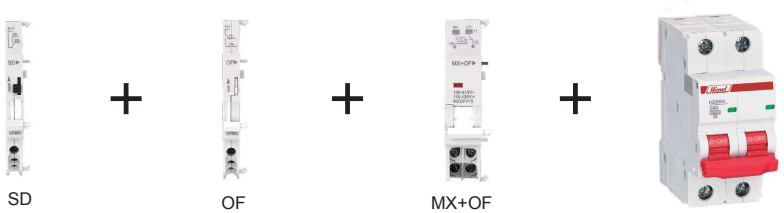
Compatible with HDB9, HDB9P, HDB9LE, HDB9PLE

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

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

Overview of accessories

Sketch map of installation with breaker



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 **10:** 10A **16:** 16A **20:** 20A **25:** 25A **32:** 32A **40:** 40A **50:** 50A **63:** 63A

Technical parameters	
Plug in MCB	**HDBK**
Electrical features	
Rated current In(A)	6, 10, 16, 20, 25, 32, 40, 50, 63
Pole(P)	1, 2, 3
Rated voltage Ue(V)	AC 240/415
Insulation voltage Ui(V)	500
Rated frequency(Hz)	50/60
Rated breaking capacity(A)	6000 (AC 240/415V) 10000 (AC 120V)
Rated impulse withstandard voltage(1.2/50)Uimp(V)	4000
Pollution degree	2
Thermo-magnetic trip characteristic	C
Mechanicalfeatures	
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℃)	15~+60
Storage temperature(℃)	-25~+70
Installation	
Terminal size for cable(mm²)	25
Torque(N.m)	2
Mounting	Plug in
Connection	Top

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

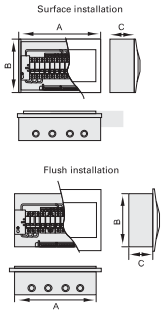
HDPZ50 Consumer Boxes

Standard: IEC/EN 60670

Overall dimensions

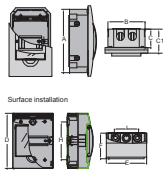
HDPZ50 Unit: mm

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



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

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

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

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

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℃~ 60℃				
Making and breaking capacity (AC-7a)			1.05Ie				
Main contacts		2P	1NO1NC, 2NO, 2NC				
		3P	3NO, 3NC, 2NO1NC, 1NO2NC				
		4P	2NO2NC, 3NO1NC, 4NO, 4NC				
Controlled power (kW)	AC-7a	250V	3.5	4.5	5.5	9	14
		400V	6.5	8	10	16	25
	AC-7b	250V	1.4	1.6	2	3.5	4.5
		400V	2.4	2.8	3.4	6	8
Operation frequency		times	≥30000				
Operation frequency /1h (AC-7a)			360				
Coil voltage Us (V)			AC24V AC220-240V 50/60Hz				
IP grade			IP20				
Wiring Ability (mm^2)	Control circuit	Hard wire	1.5-2.5 mm^2			2×1.5mm^2	
		Soft wire	1.5-2.5 mm^2			2×2.5mm^2	
	Main circuit	Hard wire	1.5-6mm^2			6-25mm^2	
		Soft wire	1-4 mm^2			6-16mm^2	

HDY3 Surge Protective Devices

Standard: IEC 61643-1

Range presentation

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

HDY3 can be widely used in commercial and residential building.

Features

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

Online content

HDY3

Selection code

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

Technical parameters

Surge Protective Devices	HDY3-20				HDY3-40				HDY3-65			
Nominal discharge current In(kA)	10				20				30			
Maximum discharge current Imax(kA)	20				40				65			
Maximum allowable backup fuse strength(A gL)	50				100				125			
Maximum continuous operating voltage Uc(V)	275	340	385	440	275	340	385	440	275	340	385	440
Protection level Up(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%Uc 1mA(μA)	≤20											
Response time(ns)	≤25											
Wave form(μs)	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 4mm² for copper wire, maximum: 36mm² for single strand, 25mm² 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)											

HDY3 Surge Protective Devices

Standard: IEC 61643-1

Technical parameters

Surge Protective Devices	HDY3-80				HDY3-120				HDY3-160			
Nominal discharge current In(kA)	40				60				80			
Maximum discharge current Imax(kA)	80				120				160			
Maximum allowable backup fuse strength(A gL)	160				200				250			
Maximum continuous operating voltage Uc(V)	275	340	385	440	275	340	385	440	275	340	385	440
Protection level Up(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%Uc 1mA(μA)	≤20											
Response time(ns)	≤25											
Wave form(μs)	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 4mm² for copper wire, maximum: 36mm² for single strand, 25mm² 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)											

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May 2020