WENZHOU HUAJIA ELECTRICAL EQUIPMENT CO., LTD.

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INDUSTRIES

WENZHOU HUAJIA
ELECTRICAL EQUIPMENT CO., LTD.

VECAS







Production

Since our foundation, Vecas was devoted to build and perfect production line, technical support and quality management. With a strong engeering team and stric quality control team, now we have more than 250 productive personnale to ensure the reliability and sustainability of our prodcuts all over the world.





The company attaches great importance to technological innovation and humanistic care. The company provides employees with a good living environment, harmonious working atmosphere and broad career development space, maintains the long-term stability of the workforce, and reserves a deep technical force for the development of the enterprise.

Company Culture

HUAJIA Group obtained ISO9001 quality system certification, ISO14001, ISO45001, CB certification; SEMKO and CE certification, etc. It is no doubt that the products are warmly welcomed not only in domestic but also in overseas market year after year.

VECAS Electrical
WENZHOU HUAJIA
ELECTRICAL EQUIPMENT CO., LTD.

Certificate & Honor

VECAS ELECTRIC
Welcomes You!

VECAS Electrical
WENZHOU HUAJIA
ELECTRICAL EQUIPMENT CO., LTD.

WENZHOU HUAJIA ELECTRICAL EQUIPMENT Co., Ltd. (VECAS) was founded in 1995, exclusively foreign-owned enterprise, headquarters is located in Yueqing Economic Development Zone, with more than thirty-five thousand square meters manufacturing space and 300 employees.

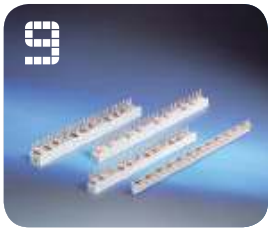
VECAS has grown up as a professional manufacturer on low-voltage electrical products and components field in the past 28 years. The main products cover Mini Circuit Breaker, Residual Current Circuit Breaker, Molded Case Circuit Breaker, AC contactors, PV DC switch box, Intelligence breakers etc.

Over these years, VECAS has been rated as advanced enterprise in export; rated as advanced enterprise in foreign investment; rated as the high-tech enterprises; and also rated as an export brand of Zhejiang Province by government.

Depending on our strong technical strength and perfected ISO9001 quality management system, ISO14001 environmental management system, ISO45001 occupational health and safety management system, and CB approval (IECEE system), CE approval, through SEMKO, TUV, etc..., Designing the product according to the customers' demand, owning independent testing center, VECAS manufacture the products which meet customers and market demand. Renowned in major markets such as South East Asia, Middle East, South America and Europe etc....

VECAS has always been adhering to "wholeheartedly providing customer with efficient quality services and high-quality products" as business purposes; practicing the spirit of "unity, pragmatism, enterprising and innovation"; carrying out the quality policy of "making high quality products and satisfying customers". Striving to be a professional supplier in the worldwide electrical field.

Company Profile



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VECAS Electrical
WENZHOU HUAJIA
ELECTRICAL EQUIPMENT CO., LTD.

MCB Series

- SGP 002
- HSL7 004
- SGPN125 005
- HNA5 006
- HNA8 008
- A60 009
- A60-DPN 011
- HSA3 012
- HSA3DC 013
- AES63 014
- HC45 015
- HNA4 016
- AES63-DPN 017
- HC45-DPN 018
- HNA2 019
- PLUG IN TYPE 020
- TES 021
- NGP-II 022
- HEA4 023
- HEA5 024
- HEA6 025

SGP Series

- SGP
- HSL7
- SGPN125


1P


2P


3P


SD


OF

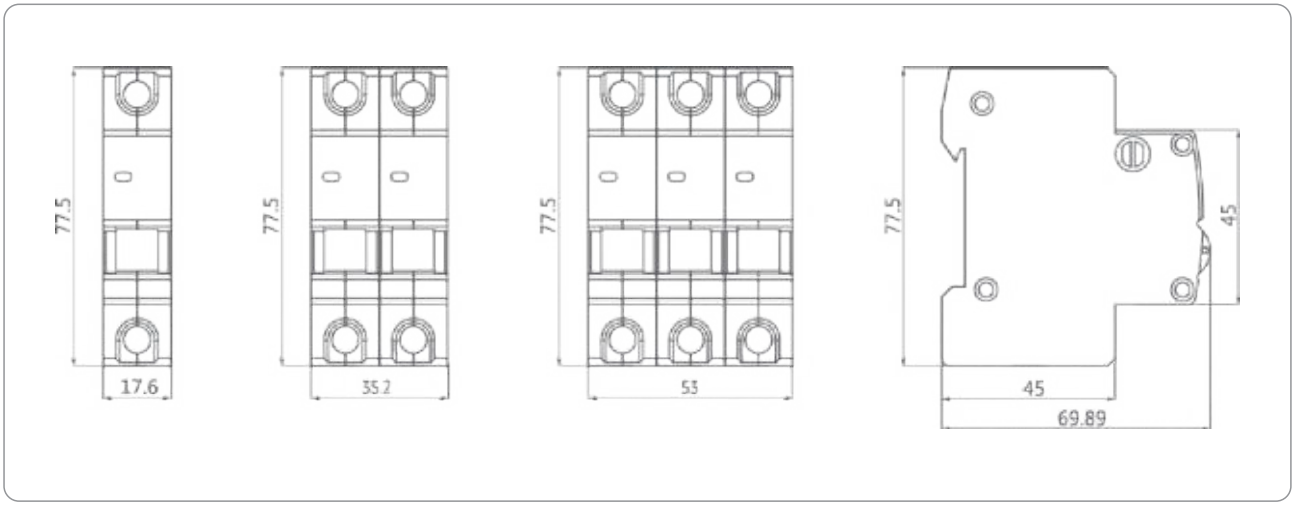

MX


MX+MV

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 240/415V
Rated current (A)	1, 2, 3, 4, 6, 8, 10, 13, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	6000A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	10000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions

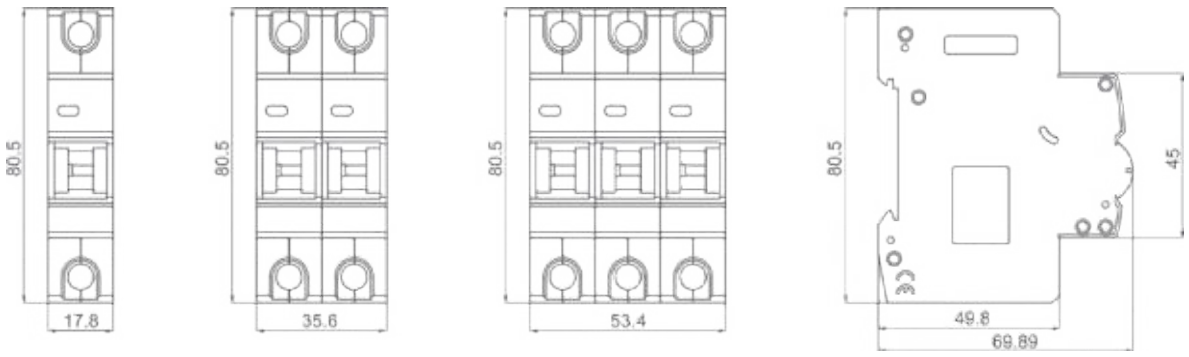


1P 2P 3P 4P

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 240/415V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	10000A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	10000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm^2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



1P 2P 3P 4P

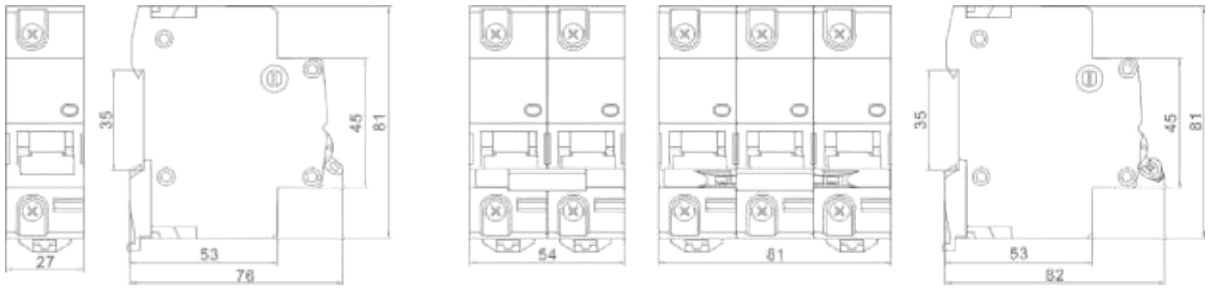
Specification and Feature

- High short-short capacity 10KA
- Designed to protect circuit carrying big current up to 125A
- Contact position indication
- Used as main switch in household and similar installation

Technical Data

Pole No.	1 2 3 4
Rated voltage	AC 240/415V
Rated current (A)	25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A,
Tripping curve	B, C, D
Rated breaking capacity (Icu)	10000A
Rated service breaking capacity(Ics)	7500A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	10000
Connection terminal	Pillar terminal with clamp
Connection capacity	Flexible conductor 35mm^2
	Rigid conductor up to 25mm^2
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



HNA5 Series

- HNA5
- HNA8

1P 2P 3P 4P

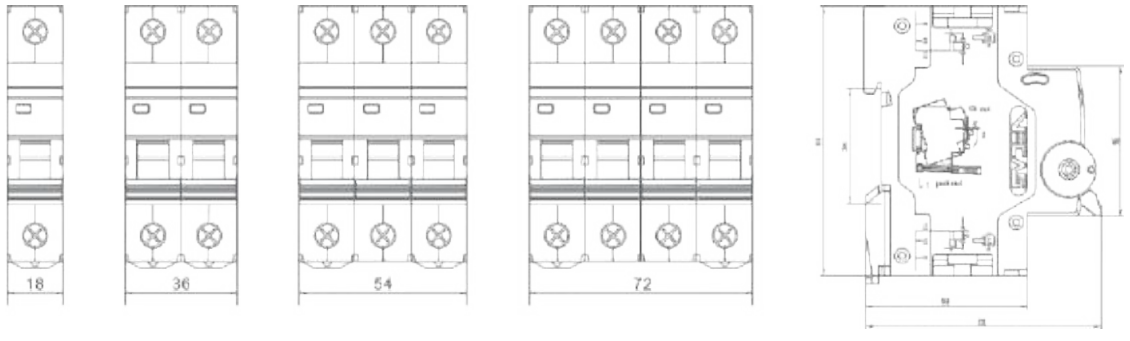
Specification and Feature

- Protection against both overload and short circuit
- High breaking capacity
- Contact position indication
- Applicable to terminal and pin/fork type busbar connection

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 240/415V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	4500, 6000A, 10000A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	6000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



1P 2P 3P 4P

MCB

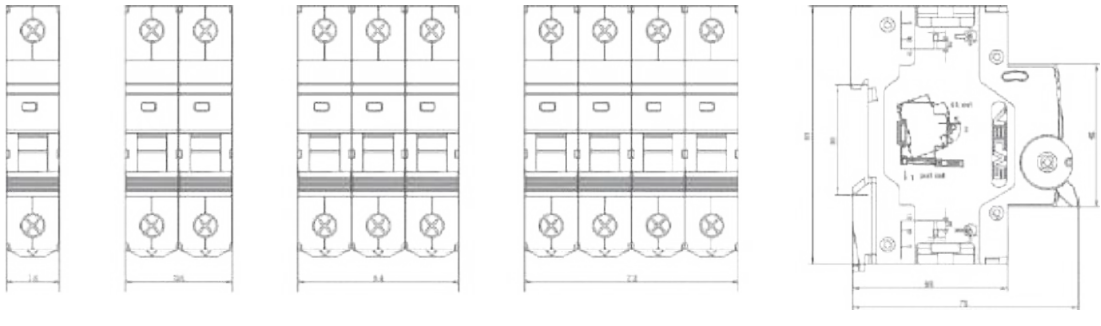
Specification and Feature

- Protection against both overload and short circuit
- High breaking capacity
- Contact position indication
- Applicable to terminal and pin/fork type busbar connection

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 230/400V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	4500, 6000A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	6000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



A60 Series

- A60
- A60-DPN
- HSA3
- HSA3DC

1P 2P 3P 4P

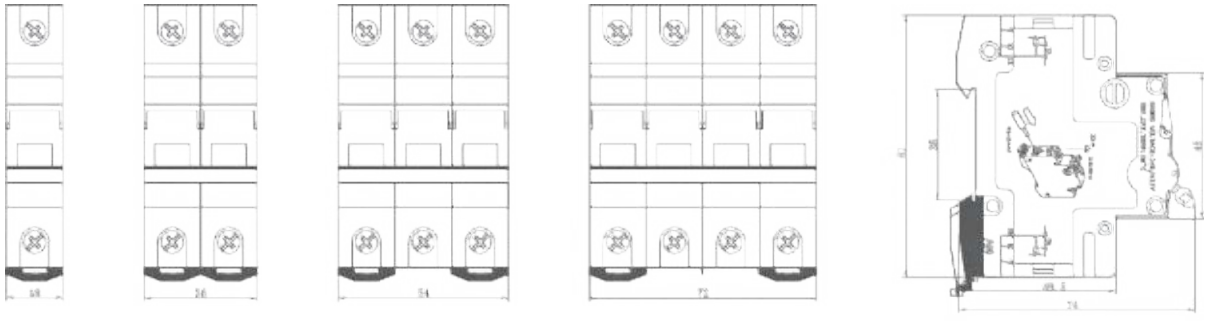
Specification and Feature

- Protection against both overload and short circuit
- High breaking capacity
- Contact position indication
- Applicable to terminal and pin/fork type busbar connection

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 240/415V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	4500, 6000A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	6000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm^2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



1P+N

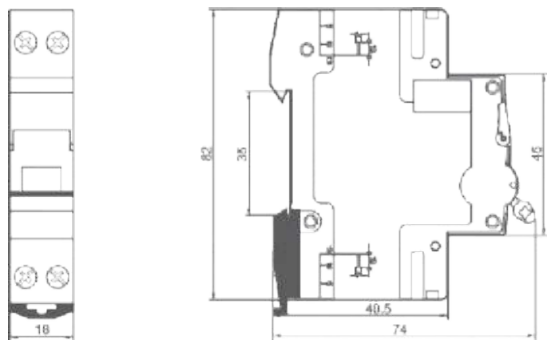
Specification and Feature

- Protection against both overload and short circuit
- Integrated with switched phase and neutral pole
- Neutral pole provides no protection against overload and short circuit
- Easy mounting onto 35mm DIN rail

Technical Data

Pole No	1P+N
Rated voltage	AC 230/240V
Rated current (A)	6, 10, 16, 20, 25, 32
Tripping curve	B, C
Rated breaking capacity (Icu)	4500,6000A
Rated service breaking capacity(Ics)	4500,6000A
Rated frequency	50/60Hz
Electro-mechanical endurance	4000
Connection terminal	Pillar terminal with clamp
Connection capacity	Rigid conductor up to $10mm^2$
Fastening torque	1.2 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



1P 2P 3P 4P

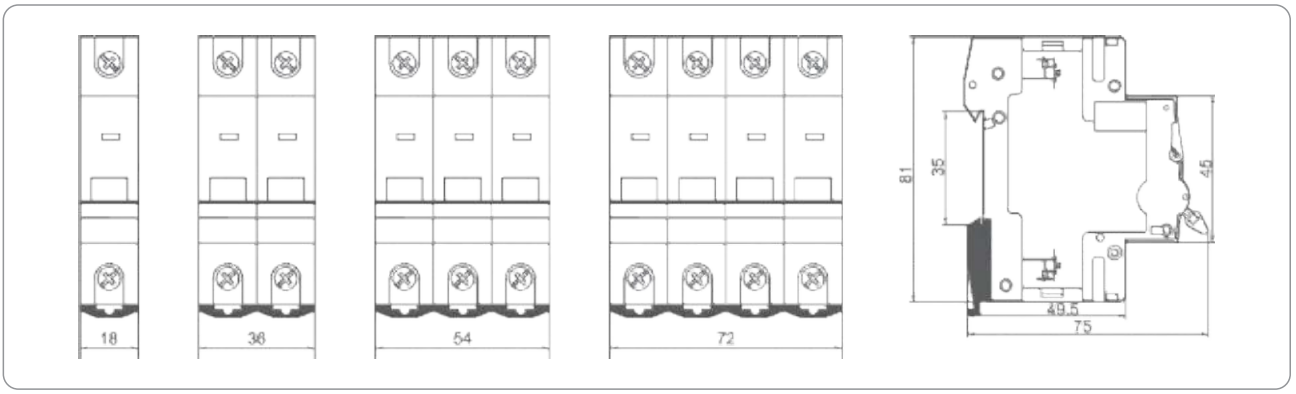
Specification and Feature

- Protection against both overload and short circuit
- High breaking capacity
- Contact position indication
- Applicable to terminal and pin/fork type busbar connection

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 230/400V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	10kA
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	6000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm^2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions

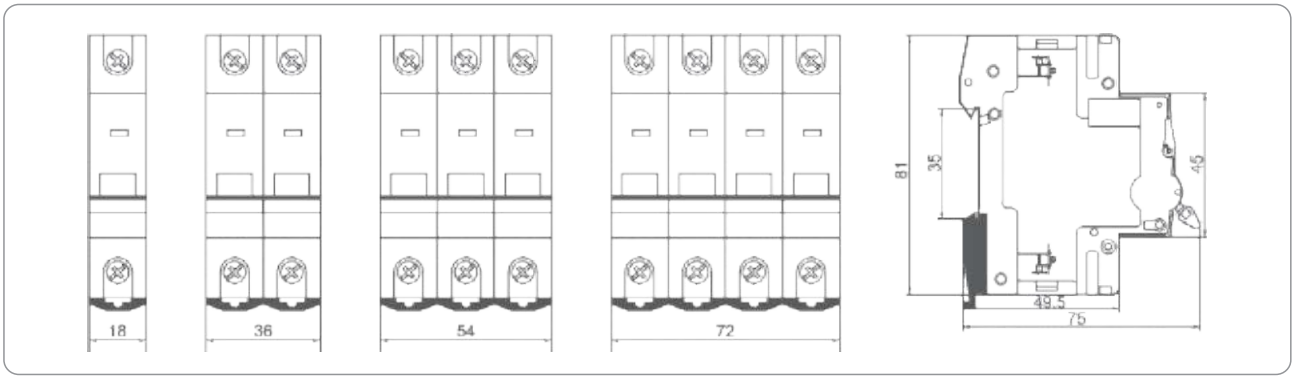


1P 2P 3P 4P

Technical Data

HSA3-DC Series Circuit Breaker		HSA3-DC			
Frame degree rated current (A)		63			
Electrical performance					
Ue Rated operating voltage (V DC)		1P250, 2P500, 3P750, 4P1000			
Rated Current In (A)		6-10-16-20-25-32-40-50-63			
Rated insulation voltage Ui (V DC)		1P: 500V 2P: 500V 3P: 750V 4P: 1000V			
ated Impact voltage Uimp (kV)		4			
Ultimate breaking capacity Icn (kA)		10	10	10	10
Run breaking capacity Ics (%Icu)		75%	75%	75%	75%
Curve type		B(4-7In), C(7-15In)			
Trip type		Thermal-magnetic			
MECHANICAL	Standard value	10000			
ELECTRIC	Standard value	1000			
Control and indication					
Shunt release (SHT)		Option			
Undervoltage release (UNT)					
Auxiliary contact (AX)					
Alarm contact (AL)					
Connection and installation					
Wiring capacity (mm^2)		In≤32A,1~25 mm^2,I≥40A,10~25mm^2			
Ambient temperature (℃)		-20~70			
Altitude		≤2000			
Relative humidity		≤95%			
Pollution Level		2			
nstallation Environment		No obvious shock and vibration			
nstallation		DIN Standard rail			
Dimensions(W)x(H)x(Deep)	W	18	36	54	72
	H	81	81	81	81
	Deep	75	75	75	75
Weight (kg)		0.11	0.21	0.31	0.41

Overall & Installation Dimensions



1P 2P 3P 4P

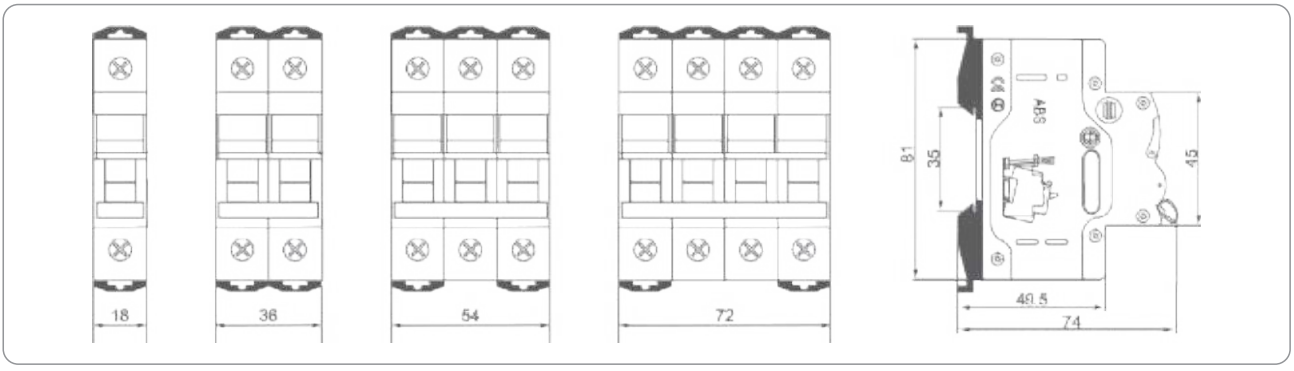
Specification and Feature

- Protection against both overload and short circuit
- High breaking capacity
- Contact position indication
- Applicable to terminal and pin/fork type busbar connection

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 230/400V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	4500, 6000A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	6000
	Contact position indication
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm^2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

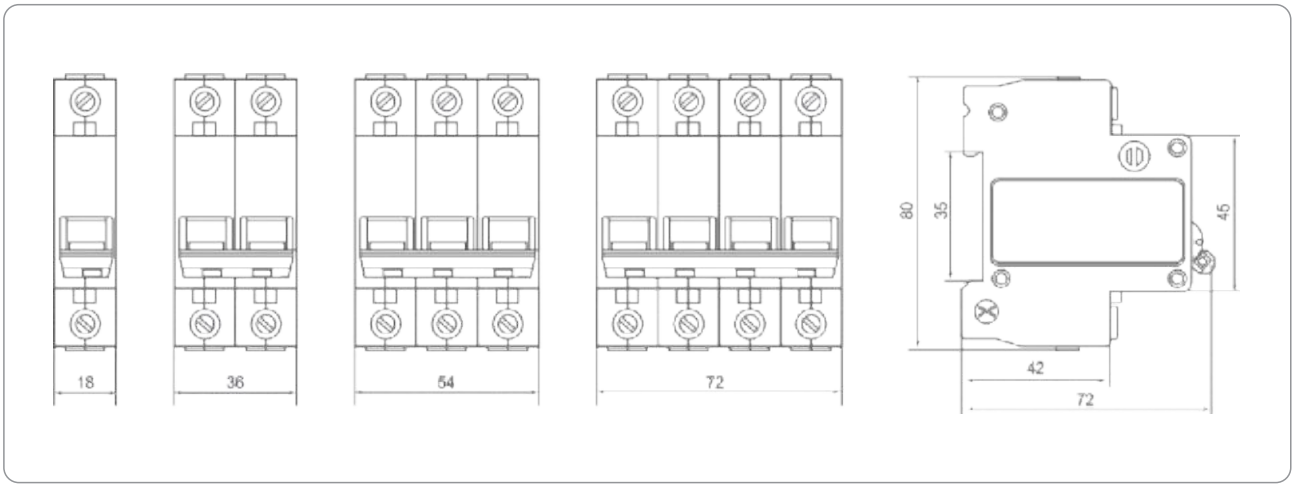
Overall & Installation Dimensions



Application

HC45 series circuit breaker is used in lighting distribution system or motor distribution system for protectingoverload and short-circuit in the system. The product is novel in structure, light in weight, reliable andexecllent in performance. It has high breaking capacity, can trip quickly and it's installation uses withguide, it's case and body are adopted with high fire-resistartant and shock-proof plastics. The product,with long life, is mainly used in AC 50Hz/60Hz single-pole 240V or two, three, four-pole 415V circuitfor overload and short-circuit protection as well as for unfrequent on-and-off switching electric equipmentand lighting circuit in normal case. This product conform to GB10963, IEC60898, BS3871.

Overall & Installation Dimensions



1P 2P 3P 4P

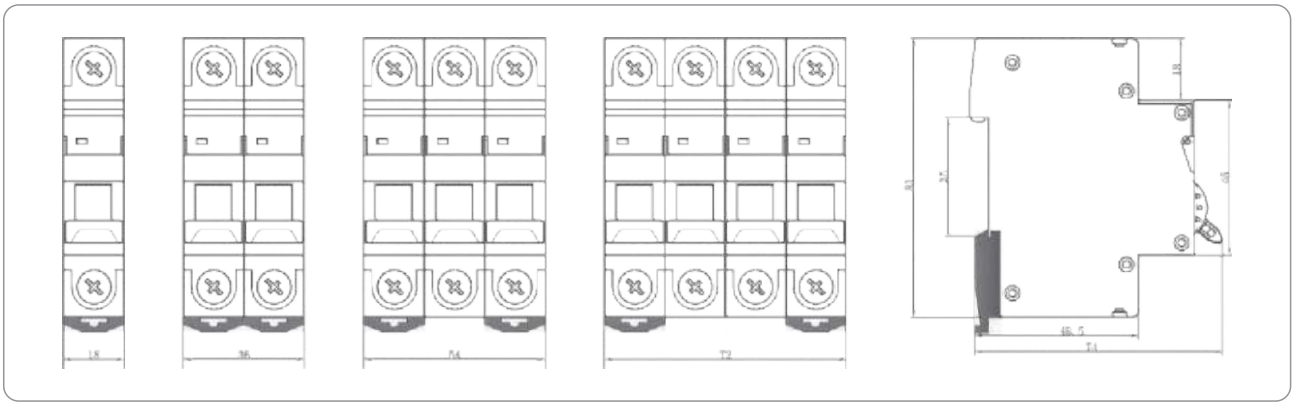
Specification and Feature

- Protection against both overload and short circuit
- High breaking capacity
- Contact position indication
- Applicable to terminal and pin/fork type busbar connection

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 230/400V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	6000A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	6000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm^2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



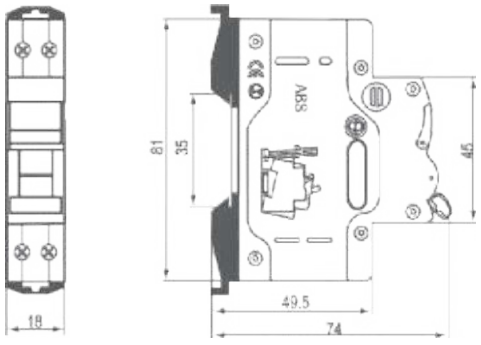
Specification and Feature

- Protection against both overload and short circuit
- Integrated with switched phase and neutral pole
- Neutral pole provides no protection against overload and short circuit
- Easy mounting onto 35mm DIN rail

Technical Data

Pole No.	1P+N
Rated voltage	AC 230V
Rated current (A)	3, 6, 10, 16, 20, 25, 32
Tripping curve	C
Rated breaking capacity (Icu)	4500A
Rated service breaking capacity(Ics)	4500A
Rated frequency	50/60Hz
Electro-mechanical endurance	4000
Connection terminal	Pillar terminal with clamp
Connection capacity	Rigid conductor up to $10mm^2$
Fastening torque	1.2 Nm
	On symmetrical DIN rail 35mm
Installation	Panel mounting

Overall & Installation Dimensions



1P+N

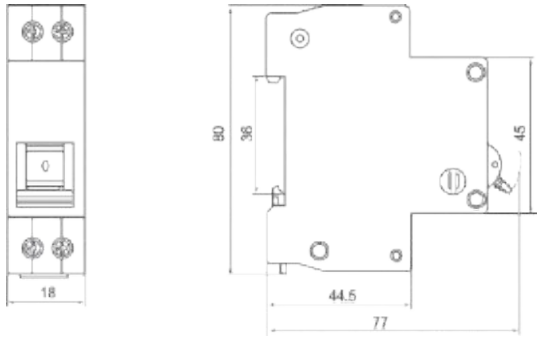
Specification and Feature

- Protection against both overload and short circuit
- Integrated with switched phase and neutral pole
- Neutral pole provides no protection against overload and short circuit
- Easy mounting onto 35mm DIN rail

Technical Data

Pole No.	1P+N
Rated voltage	AC 230V
Rated current (A)	3, 6, 10, 16, 20, 25, 32
Tripping curve	C
Rated breaking capacity (Icu)	3000A,4000A
Rated service breaking capacity(Ics)	3000A,4000A
Rated frequency	50/60Hz
Electro-mechanical endurance	4000
Connection terminal	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 10mm²
Fastening torque	1.2 Nm
	On symmetrical DIN rail 35mm
Installation	Panel mounting

Overall & Installation Dimensions



1P 2P 3P 4P

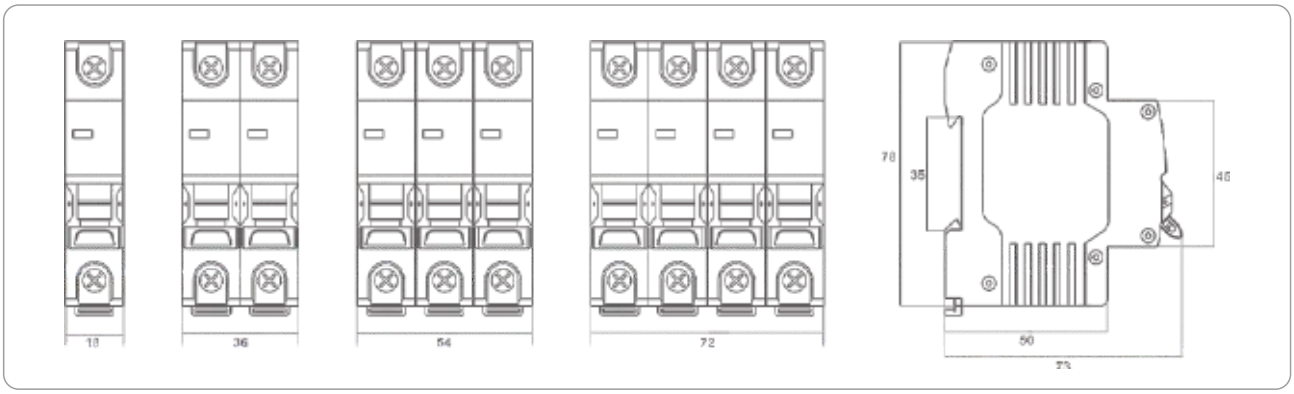
Specification and Feature

- Protection against both overload and short circuit
- High breaking capacity
- Contact position indication

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 240/415V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	4500, 6000A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	6000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm²
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



1P 2P 3P 4P

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 240/415V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	6000A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	10000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm^2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

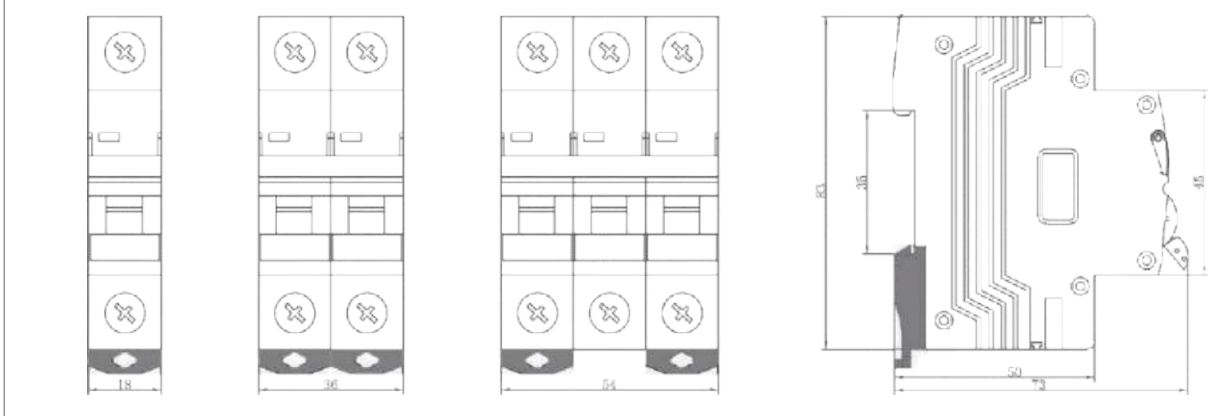
Overall & Installation Dimensions

1P 2P 3P 4P

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 240/415V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	6000A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	10000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm^2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



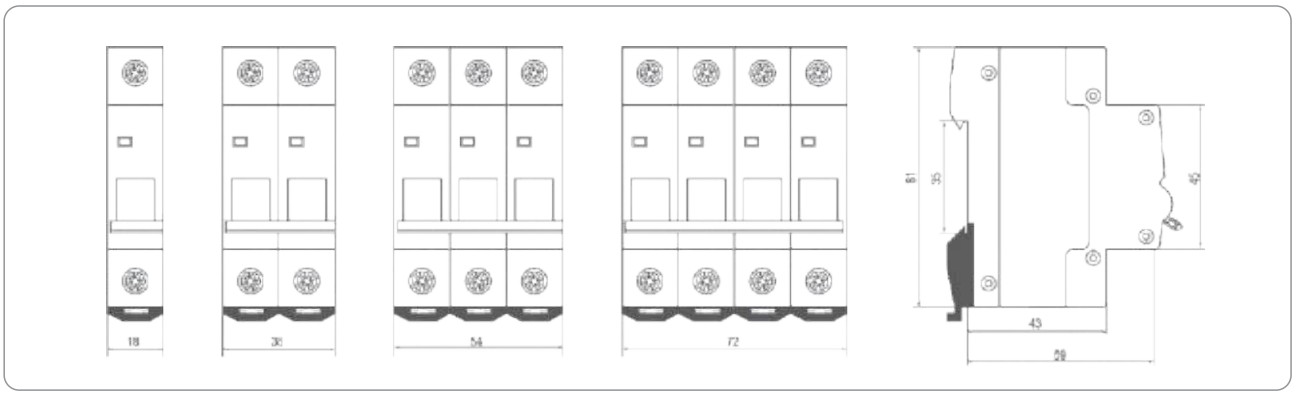
Specification and Feature

- Protection against both overload and short circuit
- High breaking capacity
- Contact position indication

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 240/415V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	4500, 6000A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	6000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm^2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



1P 2P 3P 4P

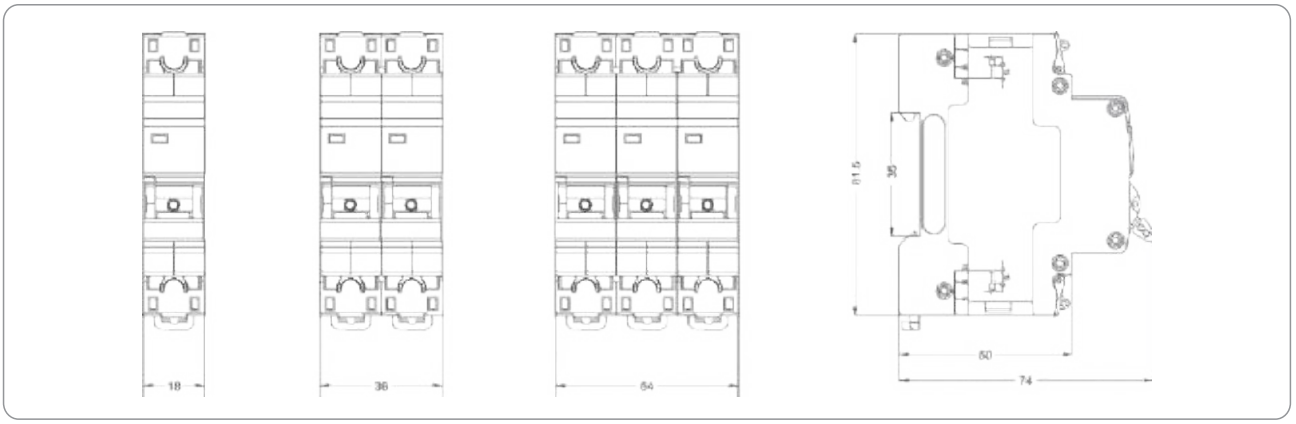
Specification and Feature

- Protection against both overload and short circuit
- High breaking capacity
- Contact position indication
- Applicable to terminal and pin/fork type busbar connection

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 240/415V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	4500A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	6000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm^2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



1P 2P 3P 4P

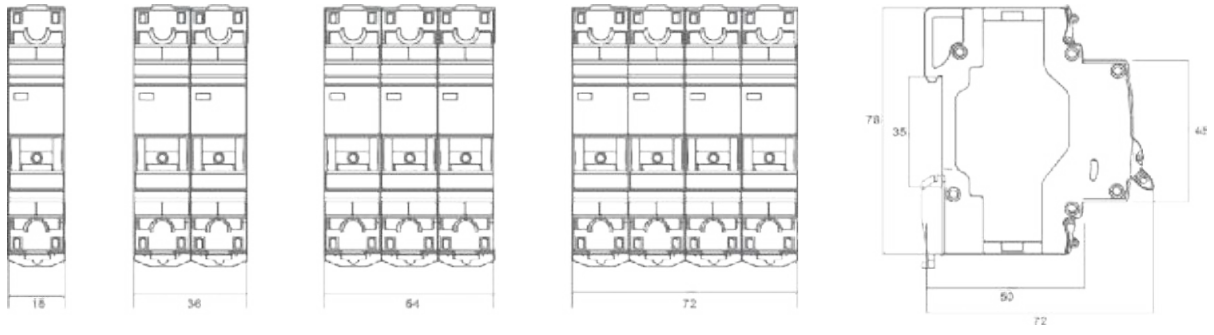
Specification and Feature

- Protection against both overload and short circuit
- High breaking capacity
- Contact position indication
- Applicable to terminal and pin/fork type busbar connection

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 240/415V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	4500A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	6000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm^2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



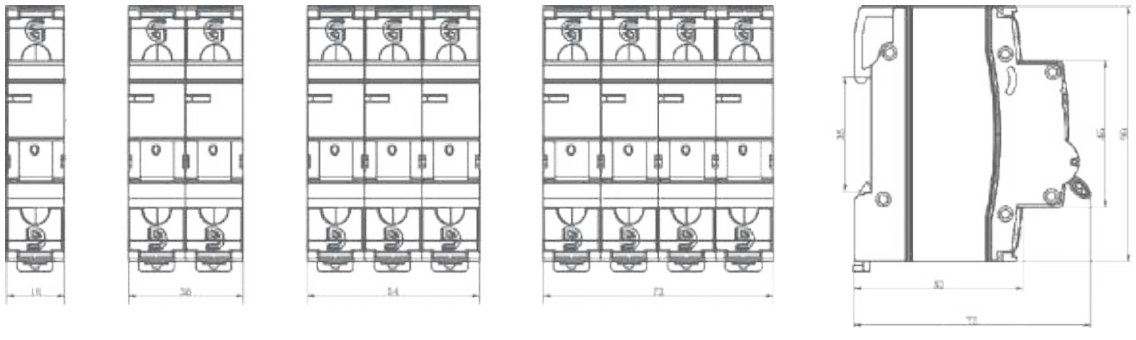
Specification and Feature

- Protection against both overload and short circuit
- High breaking capacity
- Contact position indication
- Applicable to terminal and pin/fork type busbar connection

Technical Data

Pole No.	1, 2, 3, 4
Rated voltage	AC 240/415V
Rated current (A)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated breaking capacity (Icu)	4500A
Rated frequency	50/60Hz
Rated impulse withstand voltage	6kV
Electro-mechanical endurance	6000
Contact position indication	
Connection terminal	Screw terminal
	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm^2
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



VECAS Electrical
WENZHOU HUAJIA
ELECTRICAL EQUIPMENT CO., LTD.

RCCB Series

SGPL	027	HNA6LO	038
SGPL100A	028	SGPLO	039
A60L	029	HCL11-63	040
HNA5L	030	NT50LE	041
SGPLS	031	ST50LE	042
NGPL	032	HCL18-63	043
HL7L	033	HNA8LE-63	045
HSL7L	034	A60LE-63s	046
HNA4L	035	A60LE-63	047
HNA3LE-32	036	A60L TYPE-B	048
HNA6L	037		

2P 4P

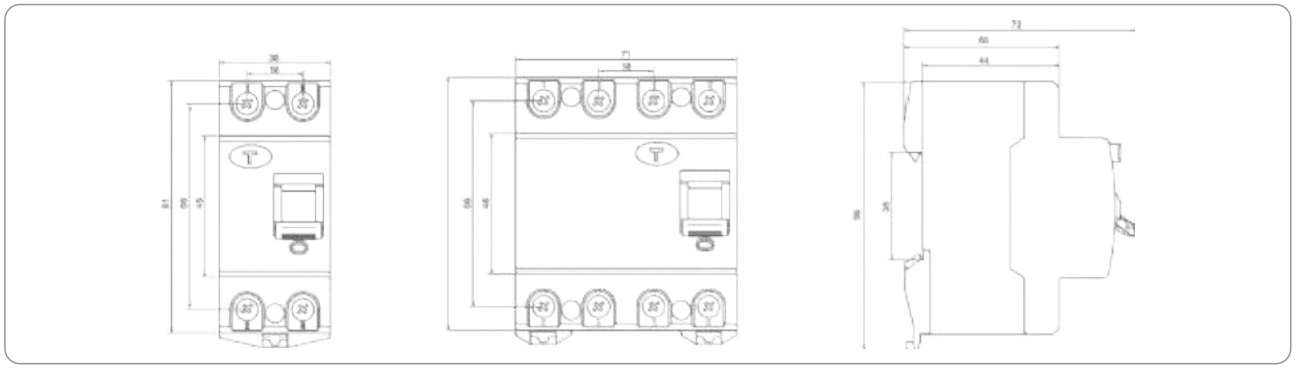
Specification and Feature

- Provides protection against earth fault/leakage current and function of isolation
- High breaking current withstand capacity
- Applicable to terminal and pin/fork type busbar connection
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
- Independent of power supply and line voltage, and free from external interference, voltage fluctuation

Technical Data

Mode	Electro-magnetic type, electronic type
Residual current characteristics	A, AC
Pole No.	2, 4
Rated making and breaking capacity	630A
Rated current(A)	25, 40, 63
Rated voltage	240/415V AC
Rated frequency	50/60Hz
Rated residual operating current I Δn(mA)	10, 30, 100, 300, 500
Rated residual non operating current I Δno	0.5I Δn
Rated conditional breaking current Inc	6000A
Rated conditional residual breaking current I Δc	6000A
Tripping duration	Instantaneous tripping≤0.1s
Residual tripping current range	0.5I Δn~I Δn
Electro-mechanical endurance	4000 cycles
Connection capacity	Rigid conductor up to 25mm²
Connection terminal	Screw terminal
	Pillar terminal with clamp
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



4P

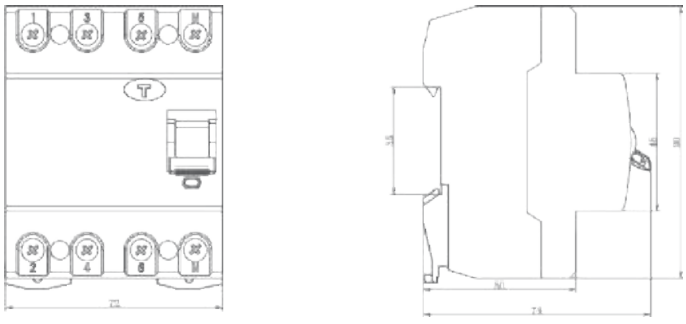
Specification and Feature

- Provides protection against earth fault/leakage current and function of isolation
- High breaking current withstand capacity
- Applicable to terminal and pin/fork type busbar connection
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
- Independent of power supply and line voltage, and free from external interference, voltage fluctuation

Technical Data

Mode	Electro-magnetic type, electronic type
Residual current characteristics	A, AC
Pole No.	2, 4
Rated making and breaking capacity	630A
Rated current(A)	63,80,100
Rated voltage	240/415V AC
Rated frequency	50/60Hz
Rated residual operating current I Δn(mA)	10, 30, 100, 300, 500
Rated residual non operating current I Δno	0.5I Δn
Rated conditional breaking current Inc	6000A
Rated conditional residual breaking current I Δc	6000A
Tripping duration	Instantaneous tripping≤0.1s
Residual tripping current range	0.5I Δn~I Δn
Electro-mechanical endurance	4000 cycles
Connection capacity	Rigid conductor up to 25mm²
Connection terminal	Screw terminal
	Pillar terminal with clamp
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



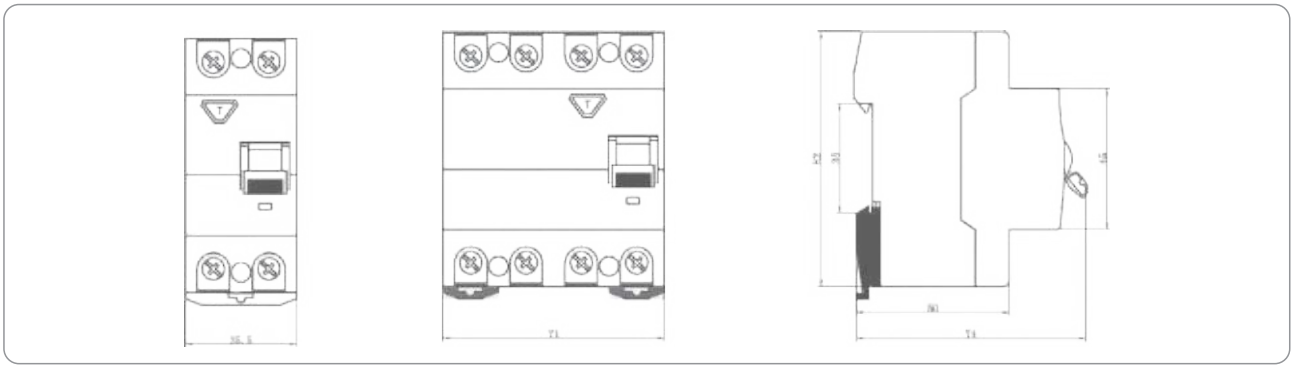
Specification and Feature

- Provides protection against earth fault/leakage current and function of isolation
- High breaking current withstand capacity
- Applicable to terminal and pin/fork type busbar connection
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
- Independent of power supply and line voltage, and free from external interference, voltage fluctuation

Technical Data

Mode	Electro-magnetic type, electronic type
Residual current characteristics	A, AC
Pole No.	2, 4
Rated making and breaking capacity	630A
Rated current(A)	25, 40, 63
Rated voltage	240/415V AC
Rated frequency	50/60Hz
Rated residual operating current I Δn(mA)	10, 30, 100, 300, 500
Rated residual non operating current I Δno	0.5I Δn
Rated conditional breaking current Inc	6000A
Rated conditional residual breaking current I Δc	6000A
Tripping duration	Instantaneous tripping≤0.1s
Residual tripping current range	0.5I Δn~I Δn
Electro-mechanical endurance	4000 cycles
Connection capacity	Rigid conductor up to 25mm²
Connection terminal	Screw terminal
	Pillar terminal with clamp
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



2P 4P

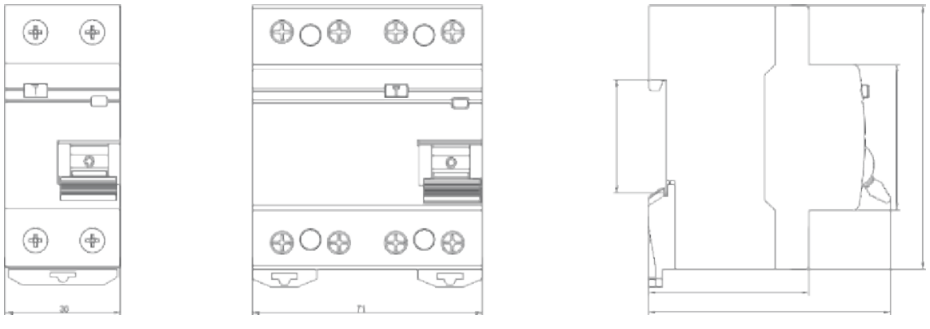
Specification and Feature

- Provides protection against earth fault/leakage current and function of isolation
- High breaking current withstand capacity
- Applicable to terminal and pin/fork type busbar connection
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
- Independent of power supply and line voltage, and free from external interference, voltage fluctuation

Technical Data

Mode	Electro-magnetic type, electronic type
Residual current characteristics	A, AC
Pole No.	2, 4
Rated making and breaking capacity	630A
Rated current(A)	25, 40, 63,100
Rated voltage	240/415V AC
Rated frequency	50/60Hz
Rated residual operating current I Δn(mA)	10, 30, 100, 300, 500
Rated residual non operating current I Δno	0.5I Δn
Rated conditional breaking current Inc	6000A
Rated conditional residual breaking current I Δc	6000A
Tripping duration	Instantaneous tripping≤0.1s
Residual tripping current range	0.5I Δn~I Δn
Electro-mechanical endurance	4000 cycles
Connection capacity	Rigid conductor up to 25mm²
Connection terminal	Screw terminal
	Pillar terminal with clamp
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



2P 4P

Application

C45LS earth leakage circuit breaker is used for the protection, against electrical leakage in the circuit of 50/60Hz, rated voltagesingle-phase 240V, 3phase 415V, rated current up to 60A, When somebody gets an electric shock or the residual current ofthe circuit exceeds the fixed value, the ELCB can cut off the power within the time of 0.1s automatically protecting thepersonal safety and preventing the equipement from the fault resulted from the residual current. With this function, the ELCBcan protect the circuit against overload and short circuit of can be used for the unfrequent switch over of the circuit undernormal conditions. It conforms to IEC60898 & IEC60755.

Wiring Diagram

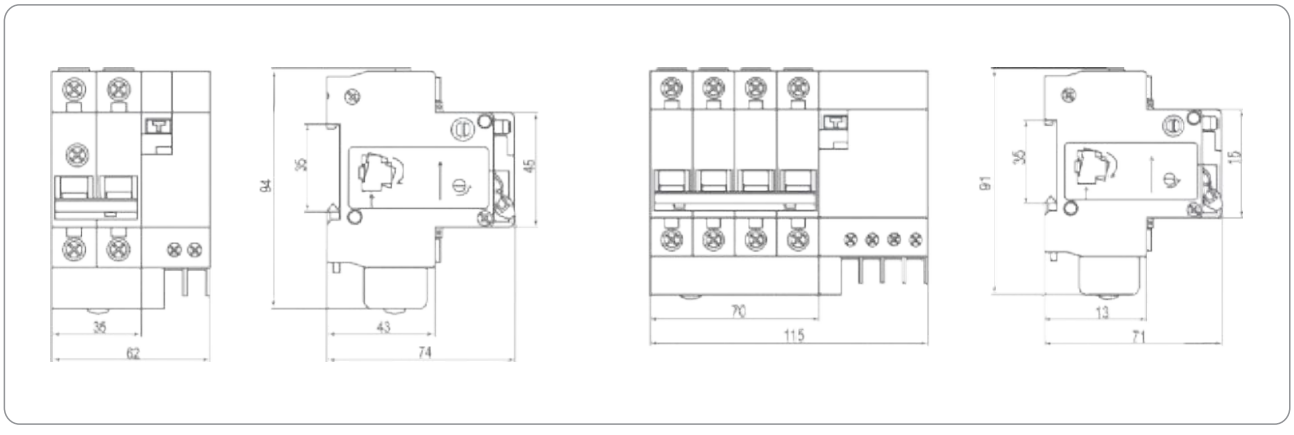
Rated voltage(V)	Pole No	Rated current(A)	Leakage action current(mA)	Leakage dead current(mA)	Leakage action time(s)
220V	1P	1~10	30	15	<0.1
		15~32			
380V	2,3,4P	40~60	100	50	

a:TH35-7.5 rail is used for the product installation.

b:Outline and installation dimensions (see the figure and the table)

Type	Dimensions				
	A	B	C	D	E
SGPLS-60/1N	46	70	40	45	94
SGPLS-60/2	64	70	40	45	94
SGPLS-60/3	91	70	40	45	94
SGPLS-60/3N	100	70	40	45	94
SGPLS-60/	118	70	40	45	94

Overall & Installation Dimensions



2P 4P

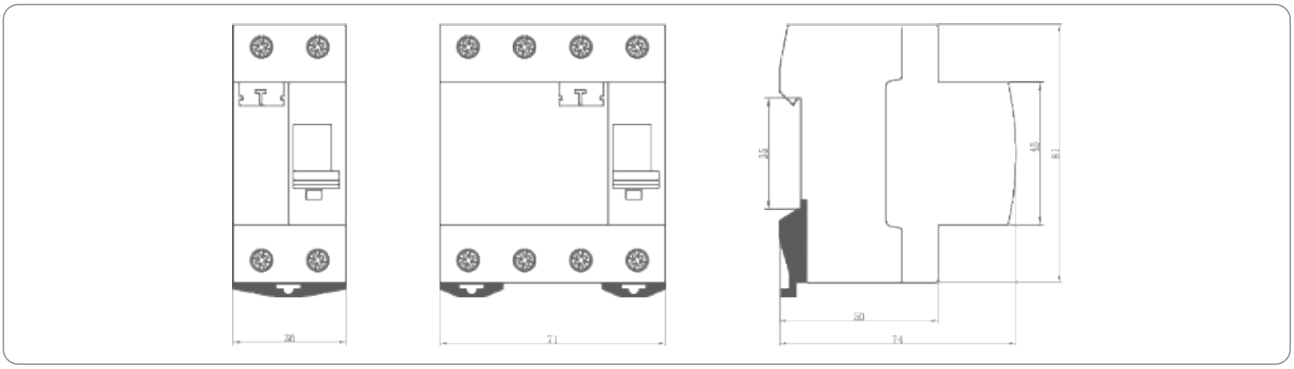
Specification and Feature

- Provides protection against earth fault/leakage current and function of isolation
- High breaking current withstand capacity
- Applicable to terminal and pin/fork type busbar connection
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
- Independent of power supply and line voltage, and free from external interference, voltage fluctuation

Technical Data

Mode	Electro-magnetic type, electronic type
Residual current characteristics	A, AC
Pole No.	2, 4
Rated making and breaking capacity	630A
Rated current(A)	25, 40, 63
Rated voltage	240/415V AC
Rated frequency	50/60Hz
Rated residual operating current I Δn(mA)	10, 30, 100, 300, 500
Rated residual non operating current I Δno	0.5I Δn
Rated conditional breaking current Inc	6000A
Rated conditional residual breaking current I Δc	6000A
Tripping duration	Instantaneous tripping≤0.1s
Residual tripping current range	0.5I Δn~I Δn
Electro-mechanical endurance	4000 cycles
Connection capacity	Rigid conductor up to 25mm2
Connection terminal	Screw terminal
	Pillar terminal with clamp
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



2P

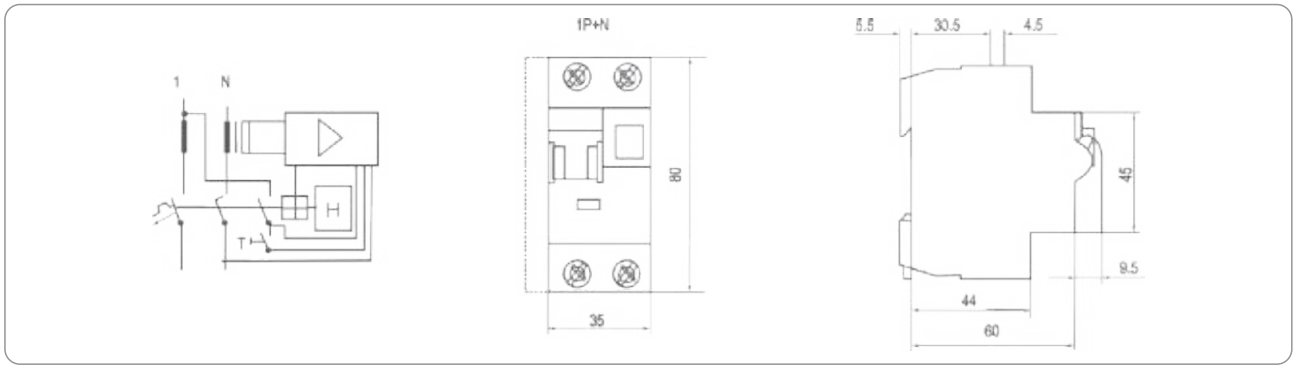
Specification and Feature

- High-quality residual current device/miniature circuit breaker
- Comprehensive range of accessories suitable for subsequent
- combination, line voltage-independent
- Contact position indicator red-green
- Colour code for rated tripping currents
- Wide variety of rated tripping currents
- Rated breaking capacity 10KA
- Tripping characteristics C
- installation
- Rated currents up to 40A

Technical Data

In/i△n/(A)	Type Designation	Article No	Article No
2/0.03	HL7L-2/1N/C/003	382153	382153
4/0.03	HL7L-4/1N/C/003	382154	382154
6/0.03	HL7L-6/1N/C/003	382155	382155
10/0.03	HL7L-10/1N/C/003	382156	382156
15/0.03	HL7L-15/1N/C/003	382157	382157
16/0.03	HL7L-16/1N/C/003	382158	382158
20/0.03	HL7L-20/1N/C/003	382159	382159
25/0.03	HL7L-25/1N/C/003	382160	382160
32/0.03	HL7L-32/1N/C/003	382161	382161
40/0.03	HL7L-40/1N/C/003	382162	382162
2/0.1	HL7L-2/1N/C/01	382163	382163
4/0.1	HL7L-4/1N/C/01	382164	382164
6/0.1	HL7L-6/1N/C/01	382165	382165
10/0.1	HL7L-10/1N/C/01	382166	382166
15/0.1	HL7L-15/1N/C/01	382167	382167
16/0.1	HL7L-16/1N/C/01	382168	382168
20/0.1	HL7L-20/1N/C/01	382169	382169
25/0.1	HL7L-25/1N/C/01	382170	382170
32/0.1	HL7L-32/1N/C/01	382171	382171
40/0.1	HL7L-40/1N/C/01	382172	382172

Overall & Installation Dimensions



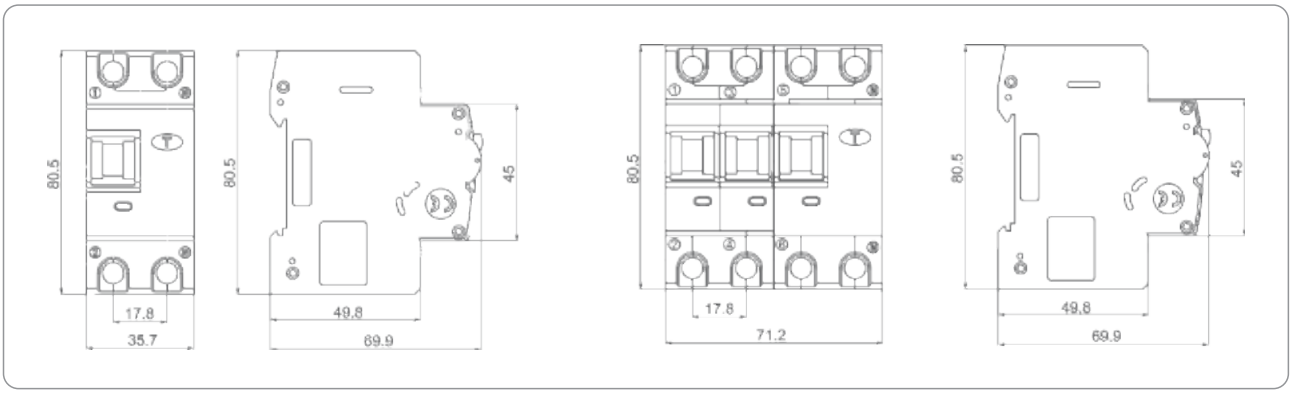
RCCB SERIES

1P+N 3P+N

Technical Data

Pole No.	1P+N	3P+N
Rated voltage	AC 230V	AC 400V
Rated current (A)	6, 10, 16, 20, 25, 32, 40, 50, 63	6, 10, 16, 20, 25, 32
Tripping curve	0.01A 0.03A 0.1A 0.3A	0.01A 0.03A 0.1A 0.3A
Residual curent caracteristic	A, AC	A, AC
Rated breaking capacity (Icu)	10000A	10000A
Rated frequency	50/60Hz	50/60Hz
Rated impulse withstand voltage	4kV	4kV
Electro-mechanical endurance	4000	4000
Contact position indication	≤0.1S	≤0.1S
Connection terminal	Screw terminal	Screw terminal
	Pillar terminal with clamp	Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm^2	Rigid conductor up to 25mm^2
Fastening torque	2.5 Nm	2.5 Nm
Installation	On symmetrical DIN rail 35mm	On symmetrical DIN rail 35mm
	Panel mounting	Panel mounting

Overall & Installation Dimensions



2P 4P

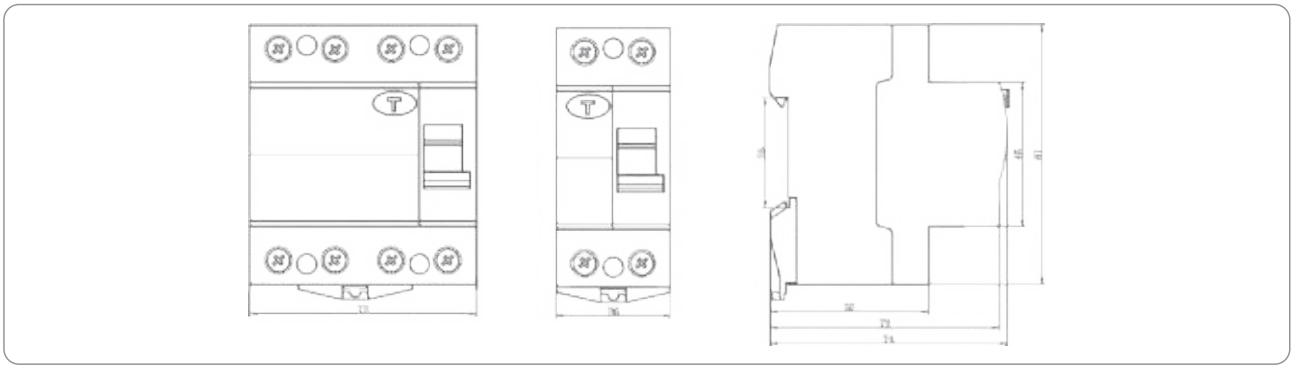
Specification and Feature

- Provides protection against earth fault/leakage current and function of isolation
- High breaking current withstand capacity
- Applicable to terminal and pin/fork type busbar connection
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
- Independent of power supply and line voltage, and free from external interference, voltage fluctuation

Technical Data

Mode	Electro-magnetic type, electronic type
Residual current characteristics	A, AC
Pole No.	2, 4
Rated making and breaking capacity	630A
Rated current(A)	25, 40, 63,100
Rated voltage	240/415V AC
Rated frequency	50/60Hz
Rated residual operating current I Δn(mA)	10, 30, 100, 300, 500
Rated residual non operating current I Δno	0.5I Δn
Rated conditional breaking current Inc	6000A
Rated conditional residual breaking current I Δc	6000A
Tripping duration	Instantaneous tripping≤0.1s
Residual tripping current range	0.5I Δn~I Δn
Electro-mechanical endurance	4000 cycles
Connection capacity	Rigid conductor up to 25mm²
Connection terminal	Screw terminal
	Pillar terminal with clamp
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



1P+N

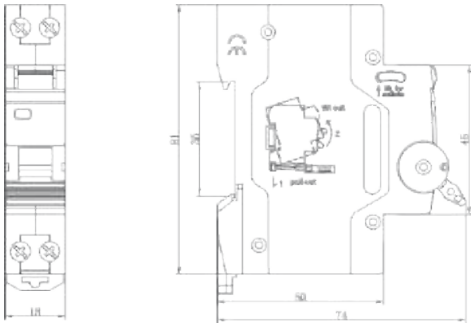
Specification and Feature

- Installation Type: III
- Installation on 35mm standard DIN rail
- Vertical installed,the upside of handle be connected with current
- Avoid obvious shock or vibration

Technical Data

Pole No.	1P+N
Standard	IEC61009-1
Rated Brecking Capaicity	4500A,6000A
Rated Current of Structure Design	32A
Voltage and Frequency	230/240V~ ,50/60Hz
Rated Current	6,10,16,20,25,32A
Rated Tripping Current I△n	10,30,100,300mA
Max.Breaking Time	0.1S
Mechanical Life	10000times
Electrical Life	1500times
Usage Types	AC-22
Protection Grade	IP20
Max.Cable Size	16mm²
Technical Parameters as below	
TYPE AC,TYPE A	

Overall & Installation Dimensions



Rated Current	Residual Current	Type	Curve
6A			
10A	10mA		
16A	30mA	AC	B
20A	100mA	A	C
25A	300mA		
32A			

2P 4P

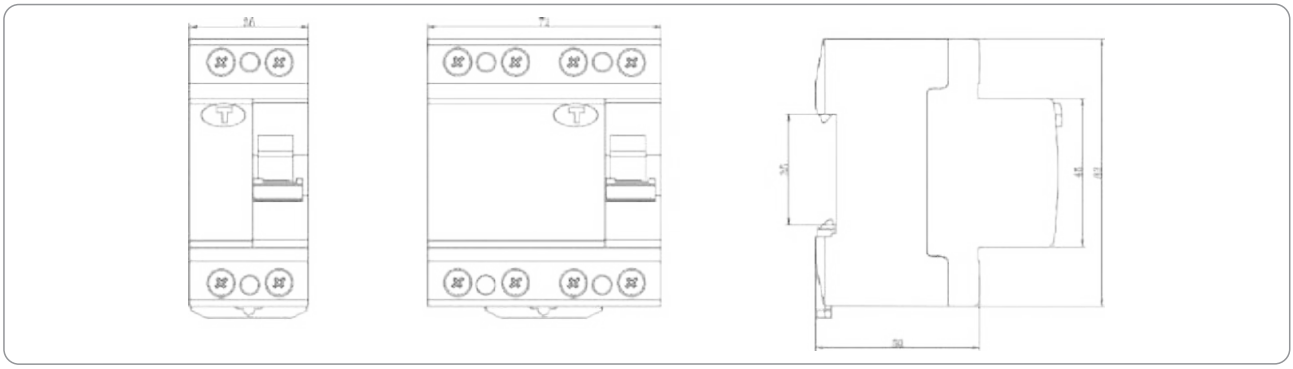
Specification and Feature

- Provides protection against earth fault/leakage current and function of isolation
- High breaking current withstand capacity
- Applicable to terminal and pin/fork type busbar connection
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
- Independent of power supply and line voltage, and free from external interference, voltage fluctuation

Technical Data

Mode	Electro-magnetic type, electronic type
Residual current characteristics	A, AC
Pole No.	2, 4
Rated making and breaking capacity	630A
Rated current(A)	25, 40, 63,100
Rated voltage	240/415V AC
Rated frequency	50/60Hz
Rated residual operating current I Δ n(mA)	10, 30, 100, 300, 500
Rated residual non operating current I Δ no	0.5I Δ n
Rated conditional breaking current Inc	6000A
Rated conditional residual breaking current I Δ c	6000A
Tripping duration	Instantaneous tripping≤0.1s
Residual tripping current range	0.5I Δ n~I Δ n
Electro-mechanical endurance	4000 cycles
Connection capacity	Rigid conductor up to 25mm²
Connection terminal	Screw terminal
	Pillar terminal with clamp
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



1P+N

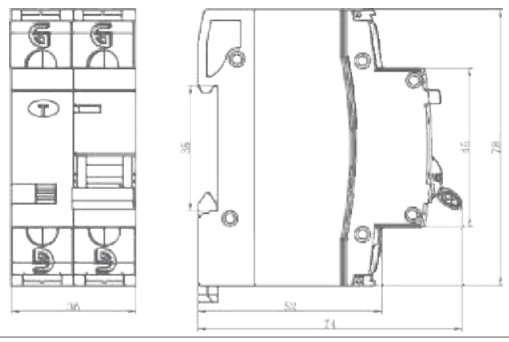
Specification and Feature

- Installation Type: III
- Installation on 35mm standard DIN rail
- Vertical installed,the upside of handle be connected with current
- Avoid obvious shock or vibration

Technical Data

Pole No.	1P+N
Standard	IEC61009-1
Rated Brecking Capaicity	4500A,6000A
Rated Current of Structure Design	32A
Voltage and Frequency	230/240V~ ,50/60Hz
Rated Current	6,10,16,20,25,32A,40A,50A,63A
Rated Tripping Current I△n	10,30,100,300mA
Max.Breaking Time	0.1S
Mechanical Life	10000times
Electrical Life	4000times
Protection Grade	IP20
Max.Cable Size	16mm²
Technical Parameters as below	
TYPE AC,TYPE A	

Overall & Installation Dimensions



Rated Current	Residual Current	Type	Curve
6A 10A 16A 20A 25A 32A 40A 50A 63A	10mA 30mA 100mA 300mA	AC A	B C

1P+N

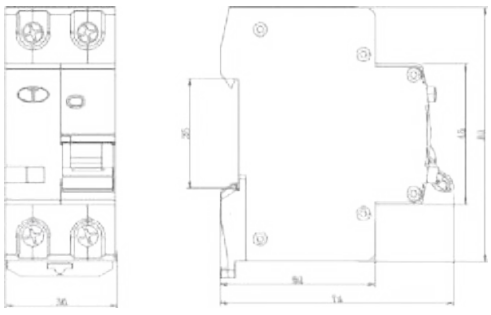
Specification and Feature

- Installation Type: III
- Installation on 35mm standard DIN rail
- Vertical installed,the upside of handle be connected with current
- Avoid obvious shock or vibration

Technical Data

Pole No.	1P+N
Standard	IEC61009-1
Rated Brecking Capaicity	4500A,6000A
Rated Current of Structure Design	32A
Voltage and Frequency	230/240V~ ,50/60Hz
Rated Current	6A, 10A,16A, 20A, 25A, 32A,40A,50A,63A
Rated Tripping Current I△n	10,30,100,300mA
Max.Breaking Time	0.1S
Mechanical Life	10000times
Electrical Life	4000times
Protection Grade	IP20
Max.Cable Size	16mm²
Technical Parameters as below	
TYPE AC,TYPE A	

Overall & Installation Dimensions



Rated Current	Residual Current	Type	Curve
6A 10A 16A 20A 25A 32A 40A 50A 63A	10mA 30mA 100mA 300mA	AC A	B C D

RCCB SERIES

2P 4P

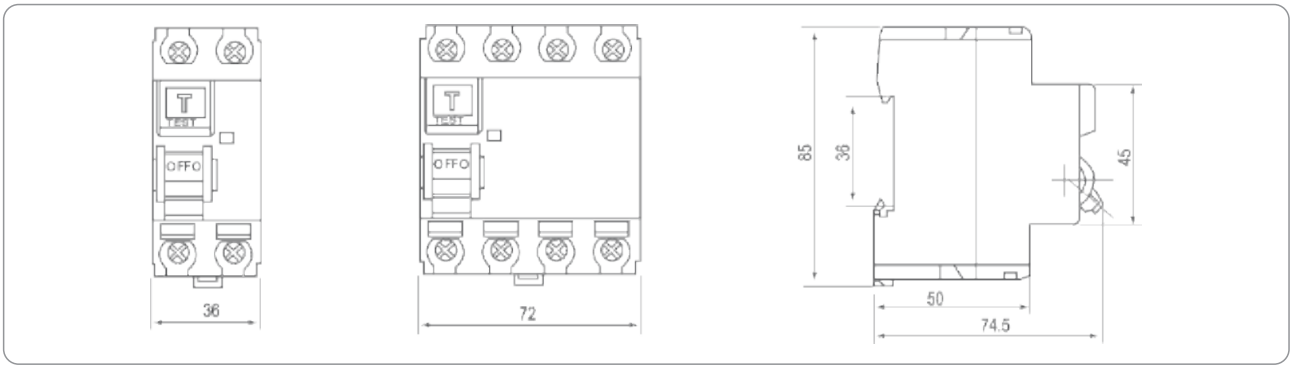
Specification and Feature

- Provides protection against earth fault/leakage current and function of isolation
- High breaking current withstand capacity
- Contact position indication
- Equipped with finger protected connection terminals
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
- Independent of power supply and line voltage, and free from external interference, voltage fluctuationV

Technical Data

Mode	Electro-magnetic type, electronic type
Residual current characteristics	A, AC
Pole No.	2, 4
Rated making and breaking capacity	630A
Rated current(A)	25, 40, 63
Rated voltage	240/415V AC
Rated frequency	50/60Hz
Rated residual operating current I△n(mA)	10, 30, 100, 300, 500
Rated residual non operating current I△no	0.5I△n
Rated conditional breaking current Inc	6000A
Rated conditional residual breaking current I△c	6000A
Tripping duration	Instantaneous tripping≤0.1s
Residual tripping current range	0.5I△n~I△n
Electro-mechanical endurance	4000 cycles
Connection capacity	Rigid conductor up to 25mm²
Connection terminal	Screw terminal
	Pillar terminal with clamp
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions




NT50LE-A


NT50LE-A2


NT50LE-B


NT50LE-C


NT50LE-D

Model Description

NT50LE	A	-	30
Product Type	With the Ground fault protection		Ampere Frame 6A, 10A, 16A, 20A 25A, 30A, 40A

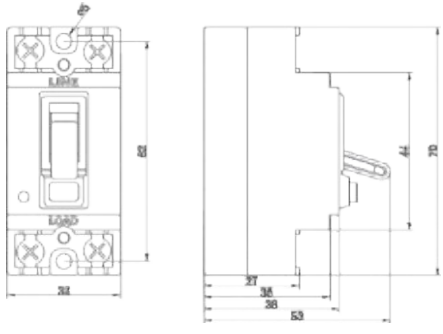
Standard Use Environment for RCCB NT50LE Series

1) Ambient Temperature: Within the range 0f -5°C-+40°C (However,the average for the duration of 24 hours must not exceed 35°C)
2) Altitude: 2,000m or less
3) Installation class: Ⅲ
4) The magnetic field near the installation site should not be more than five times the magneticfield in any direction.
5) Pollution levels: Ⅱ

Technical Data

Type		RCCB NT50LE Series
Protection		Ground fault
Rated current		6A, 10A, 16A, 20A, 25A, 30A, 40A
Rated residual current	Operating, I△n	10mA.15mA,30mA.100mA
	Non operating, I△no	5mA,7.5mA,15mA,50mA
Poles		2 Poles
Rated voltage		230VAC
Residual current off-time		0.1 sec
Standard		IEC/EN 61008-1
Approval		CE
Type of trip	Ground fault	Electronic
Breaking capacity		3000A
ConditionaT short circuit capacity		-
Endurance	Electrical	1500 operations
	Mechanical	3.000 operations
Type of operation		AC

Overall & Installation Dimensions



Model Description

ST50LE	A	-	30
Product Type	With the Ground fault protection		Ampere Frame 6A, 10A, 16A, 20A 25A, 30A, 40A

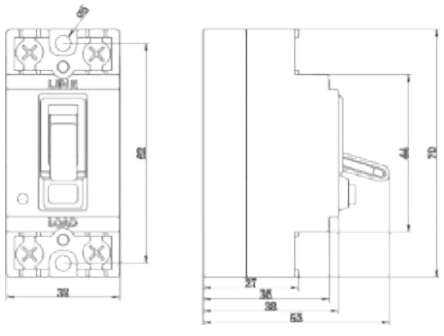
Standard Use Environment for RCCB NT50LE Series

1) Ambient Temperature: Within the range 0f -5°C-+40°C (However,the average for the duration of 24 hours must not exceed 35°C)
2) Altitude: 2,000m or less
3) Installation class: Ⅲ
4) The magnetic field near the installation site should not be more than five times the magneticfield in any direction.
5) Pollution levels: Ⅱ

Technical Data

Type		RCCB ST50LE Series
Protection		Ground fault
Rated current		6A, 10A, 16A, 20A, 25A, 30A, 40A
Rated residual current	Operating, I△n	10mA.15mA,30mA.100mA
	Non operating, I△no	5mA,7.5mA,15mA,50mA
Poles		2 Poles
Rated voltage		230VAC
Residual current off-time		0.1 sec
Standard		IEC/EN 61008-1
Approval		CE
Type of trip	Ground fault	Electronic
Breaking capacity		3000A
ConditionaT short circuit capacity		-
Endurance	Electrical	1500 operations
	Mechanical	3.000 operations
Type of operation		AC

Overall & Installation Dimensions



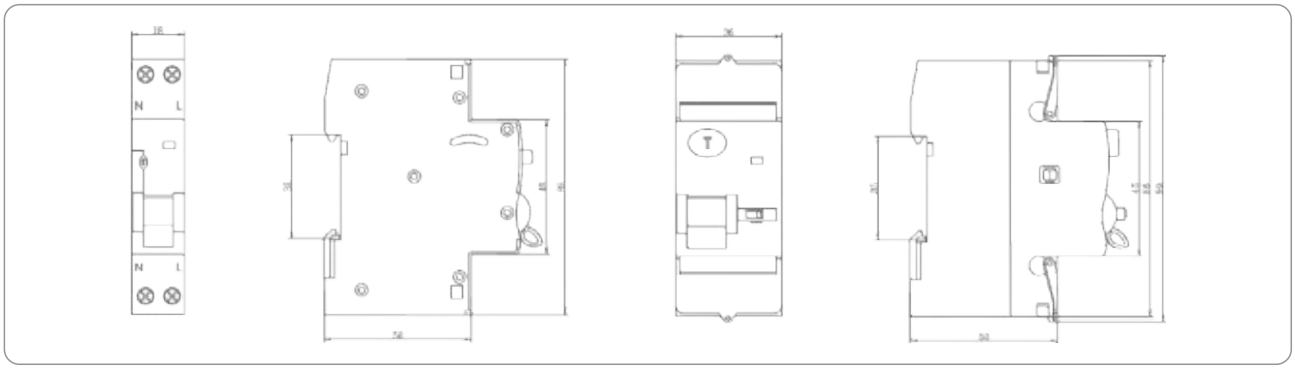
Specification and Feature

- Installation Type: Ⅲ
- Installation on 35mm standard DIN rail
- Vertical installed,the upside of handle be connected with current
- Avoid obvious shock or vibration

Technical Data

Pole No.	2, 4
Standard	IEC61009-1
Rated Brecking Capaicity	4500A,6000A
Rated Current of Structure Design	32A
Voltage and Frequency	230/240V~ ,50/60Hz
Rated Current	6,10,16,20,25,32A
Rated Tripping Current I△n	10,30,100,300mA
Max.Breaking Time	0.1S
Mechanical Life	10000times
Electrical Life	1500times
Usage Types	AC-22
Protection Grade	IP20
Max.Cable Size	16mm²
Technical Parameters as below	
TYPE AC,TYPE A	

Overall & Installation Dimensions



HNA9LE Series

- HNA8LE-63
- A60LE-63s
- A60LE-63
- A60L TYPE-B

2P 4P

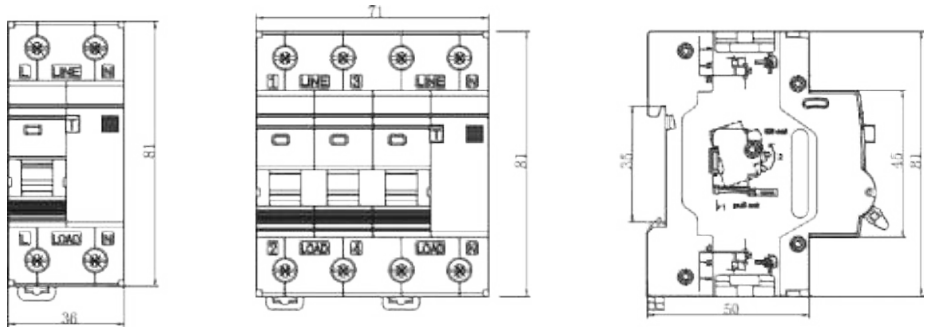
Specification and Feature

- Provides protection against earth fault/leakage current and function of isolation
- High breaking current withstand capacity
- Contact position indication
- Equipped with finger protected connection terminals
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
- Independent of power supply and line voltage, and free from external interference, voltage fluctuationV

Technical Data

Mode	Electro-magnetic type, electronic type
Residual current characteristics	A, AC
Pole No.	2, 4
Rated making and breaking capacity	630A
Rated current(A)	6A,10A,16A 20A 25A 32A,40A,50A,63A
Curve	B, C, D
Rated voltage	240/415V AC
Rated frequency	50/60Hz
Rated residual operating current I△n(mA)	10, 30, 100, 300, 500
Rated residual non operating current I△no	0.5I△n
Rated conditional breaking current Inc	6000A
Rated conditional residual breaking current I△c	6000A
Tripping duration	Instantaneous tripping≤0.1s
Residual tripping current range	0.5I△n~I△n
Electro-mechanical endurance	4000 cycles
Connection capacity	Rigid conductor up to 25mm²
Connection terminal	Screw terminal
	Pillar terminal with clamp
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



2P 4P

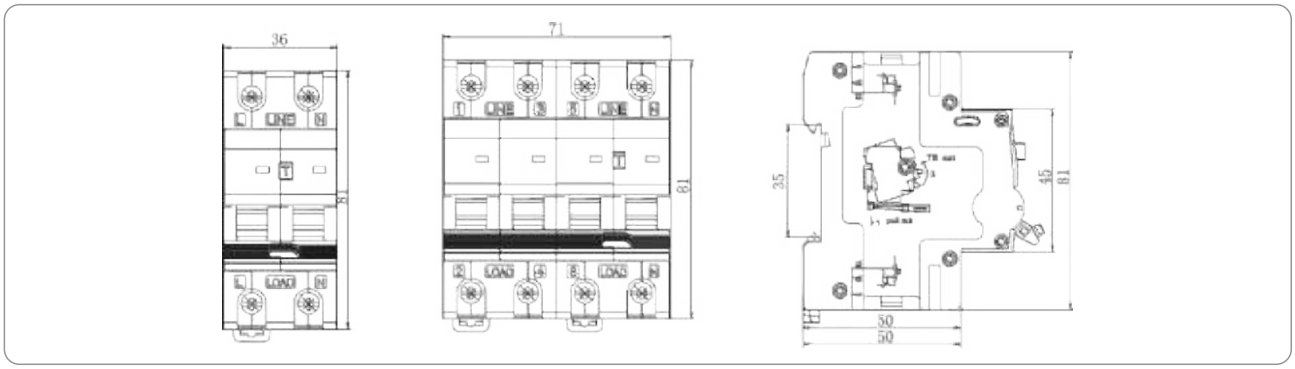
Specification and Feature

- Provides protection against earth fault/leakage current and function of isolation
- High breaking current withstand capacity
- Contact position indication
- Equipped with finger protected connection terminals
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
- Independent of power supply and line voltage, and free from external interference, voltage fluctuationV

Technical Data

Mode	Electro-magnetic type, electronic type
Residual current characteristics	A, AC
Pole No.	2, 4
Rated making and breaking capacity	630A
Rated current(A)	25, 40, 63
Rated voltage	240/415V AC
Rated frequency	50/60Hz
Rated residual operating current I Δn(mA)	10, 30, 100, 300, 500
Rated residual non operating current I Δno	0.5I Δn
Rated conditional breaking current Inc	6000A
Rated conditional residual breaking current I Δc	6000A
Tripping duration	Instantaneous tripping≤0.1s
Residual tripping current range	0.5I Δn~I Δn
Electro-mechanical endurance	4000 cycles
Connection capacity	Rigid conductor up to 25mm²
Connection terminal	Screw terminal
	Pillar terminal with clamp
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



2P 4P

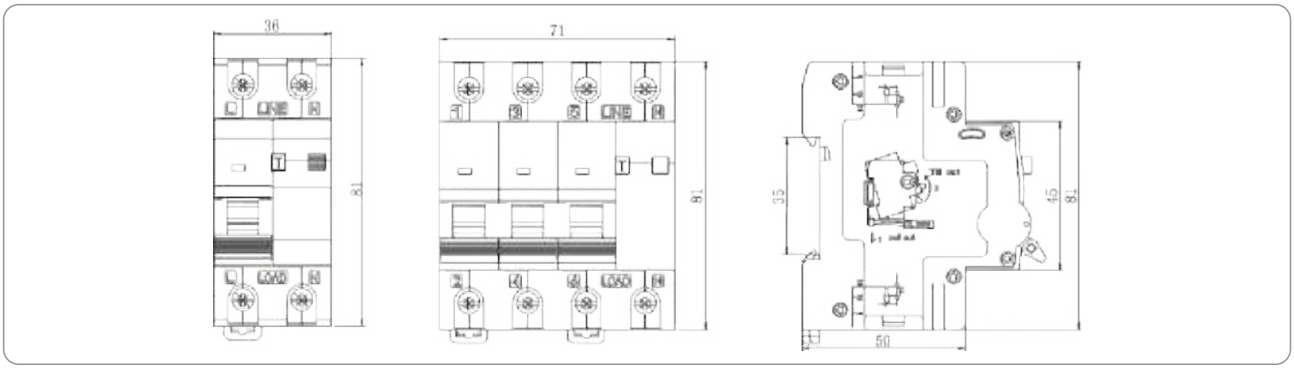
Specification and Feature

- Provides protection against earth fault/leakage current and function of isolation
- High breaking current withstand capacity
- Contact position indication
- Equipped with finger protected connection terminals
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
- Independent of power supply and line voltage, and free from external interference, voltage fluctuationV

Technical Data

Mode	Electro-magnetic type, electronic type
Residual current characteristics	A, AC
Pole No.	2, 4
Rated making and breaking capacity	630A
Rated current(A)	25, 40, 63
Rated voltage	240/415V AC
Rated frequency	50/60Hz
Rated residual operating current I Δn(mA)	10, 30, 100, 300, 500
Rated residual non operating current I Δno	0.5I Δn
Rated conditional breaking current Inc	6000A
Rated conditional residual breaking current I Δc	6000A
Tripping duration	Instantaneous tripping≤0.1s
Residual tripping current range	0.5I Δn~I Δn
Electro-mechanical endurance	4000 cycles
Connection capacity	Rigid conductor up to 25mm²
Connection terminal	Screw terminal
	Pillar terminal with clamp
Fastening torque	2.5 Nm
Installation	On symmetrical DIN rail 35mm
	Panel mounting

Overall & Installation Dimensions



Specification and Feature

- Universal current-sensitive residual current protective devices detect not only AC residual currents and pulsating DC residual currents, but also smooth DC residual currents, thus ensuring the desired protective function with all types of residual current .
- With type B, the tripping charact eristic is adapted to the increase of leakage currents at higher frequencies in systems with capacitive impedances and results in increased operating safety.
- The RCCB is a compact device for up to 63A. It provides not only personnel, property and fireprotection but also overload and short-circuit protection for cables. This considerably reduceswiring and installation costs.

Technical Data

Mode	A60L TYPE-B	
Standards	IEC/EN 61008-1 (VDE 0664-10); VDE 0664-100; IEC/EN 61543 (VDE 0664-30); IEC 62423 And in addition for type B+: DIN V VDE V 0664-1101P+N	
Versions	1P+N	3P+N
Tripping characteristic	--	--
Rated voltages U_n	AC230V	AC400V
Rated frequency f_n	50...60Hz	
Rated currents I_n	25, 40, 63A	
Rated residual currents $I_{\triangle n}$	10, 30, 100, 300, 500mA	
Rated switching capacity I_m I_{cn}	 500, 630A 6000kA	
IcnInsulation coordination Overvoltage category	III	
Conductor cross-sections	1.5...25	
Terminal tightening torques for all devices	2.5	
Mains connection	Either top or bottom	
Mounting position	Any	
Degree of protection according to EN 60529(VDE 0470-1)	IP20, if the distribution board is installed, with connected conductors	
Service life, electrical and mechanical;(test cycle acc.to regulations)	>4000 switching cycles	
Storage temperature	-40...+75°C	
Ambient temperature	-25...+45°C,Marked with	

VECAS Electrical
WENZHOU HUAJIA
ELECTRICAL EQUIPMENT CO., LTD.

SPD Series

- VCS1 050
- VCS2 051
- VCS3 052
- VCS4 053
- VCS5 054
- VCS6 055
- VCS7-20J 056
- VCS8 057
- VCS9-C40 058
- VCS20-12.5 059
- VCS10 060
- VCS11 061
- VCS-12 062

1P 2P 3P 4P

Product introduction

VCS Series surge protective device(Abbreviation:SPD) are suitable for AC 50/60Hz, rated voltage up to 380v IT, TT, TN-C, TN-S, TN-C-S and other power supply system, It protects the system from indirect and direct lightning effect or other transient over voltage

SPD is designed by according with GB18802.1/IEC61643-1 standard.

Structure and Principle

SPD as a port, its features are anti-shocking protection, indoor-mounted installation, voltage limiting.

SPD internal with a disconnector. When the SPD breakdown by over heating, the disconnector can remove from the power grid automatically, and show indication signal. When SPD is working normally, visible displays green, it displays red when it breakdown.

1P+N, 2P+N, 3P+N, SPD accordingly consist of 1P, 2P, 3P, SPD+NPE zero ground protection module, applying to TN-S, TN-C-S and other power supply system.

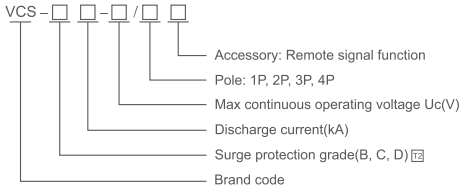
Product Installation

With 35mm standard Din-rail mounting, connecting copper stranded conductor is 2.5~35mm^2

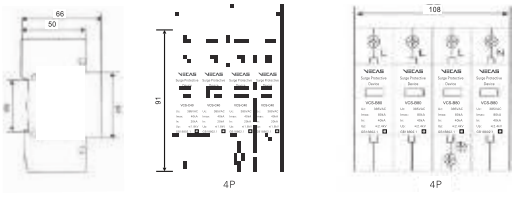
Each pole is necessary with protection—using fuse or miniature circuit breaker to protect. It helps to protect them in the short circuit when SPD breakdown.

SPD is installed in front of protected equipment and connected with power supply circuit. A class SPD is installed in the building home-entry line hold larger surge current total distribution box. B, C class products most install on the floor distribution box, D class SPD is installed in front of equipment which with low surge current and in a low residual voltage place.

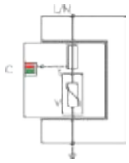
Model and meaning



Dimension drawing



Schematic diagram



V: High-performance MOV
t°: Heat trippinh device
C: Indication of invalidation
(Green: Normal, Red: Invalidation)

Main technical parameters

Model and specification	VCS-D10	VCS-D20	VCS-C40	VCS-B60	VCS-B80	VCS-B100
Max continuous operating voltage Uc(VAC)	385					
Voltage protective level Up(kV)≤	1.2	1.5	1.8	2.0	2.4	2.5
Max impulse current (8/20μS) Imax(kA)	10	20	40	60	80	100
Nominal discharge current (8/20μS) In(kA)	5	10	20	30	40	60
Response time (ns)	<25					
Degree of protection	Ip20					
Operating state / fault indication	Green/Red					
Remote signal function	Can be chosen					
Remarks	Other Uc can be customized (420VAC, 320VAC, 275VAC etc.)					

1P 2P 3P 4P

Product introduction

VCS2 Series surge protective device (Abbreviation: SPD) are suitable for AC 50/60Hz, rated voltage up to 380v IT, TT, TN-C, TN-S, TN-C-S and other power supply system, It protects the system from indirect and direct lightning effect or other transient over voltage
SPD is designed by according with GB18802.1/IEC61643-1 standard.

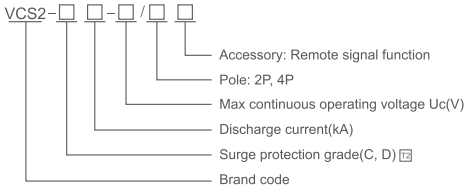
Structure and Principle

SPD as a port, its features are anti-shocking protection, indoor-mounted installation, voltage limiting.
SPD internal with a disconnector. When the SPD breakdown by over heating, the disconnector can remove from the power grid automatically, and show indication signal. When SPD is working normally, visible displays green, it displays red when it breakdown.
1P+N, 2P+N, 3P+N SPD accordingly consist of 1P, 2P, 3P, SPD+NPE zero ground protection module, applying to TN-S, TN-C-S and other power supply system.

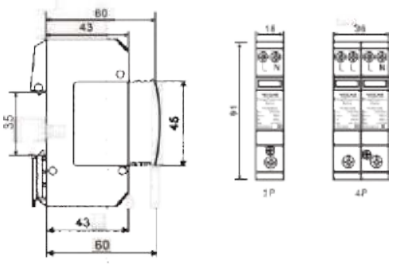
Product Installation

With 35mm standard Din-rail mounting, connecting copper stranded conductor is 2.5~35mm^2
Each pole is necessary with protection—using fuse or miniature circuit breaker to protect. It helps to protect them in the short circuit when SPD breakdown.
SPD is installed in front of protected equipment and connected with power supply circuit. A class SPD is installed in the building home-entry line hold larger surge current total distribution box. B, C class products most install on the floor distribution box, D class SPD is installed in front of equipment which with low surge current and in a low residual voltage place.

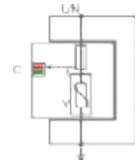
Model and meaning



Dimension drawing



Schematic diagram



V: High-performance MOV
t°: Heat trippinh device
C: Indication of invalidation
(Green: Normal, Red: Invalidation)

Main technical parameters

Model and specification	VCS2-D20		VCS2-C40	
Max continuous operating voltage Uc(VAC)	275			
Voltage protective level Up(kV)≤	1.0	1.2	2.4	2.5
Max impulse current (8/20μS) Imax(kA)	20		40	
Nominal discharge current (8/20μS) In(kA)	10	20	40	60
Response time (ns)	<25			
Degree of protection	Ip20			
Operating state / fault indication	Green/Red			
Remote signal function	Can be chosen			
Remarks	Other Uc can be customized (420VAC, 385VAC, 320VAC etc.)			

1P 2P 3P 4P

Product introduction

VCS3 SPD series is applying to the system of solar photovoltaic power and system of other dc power supply. Installed in dccircuit power system, it helps to protect the indirect lighting current, direct current and other transient over voltage.

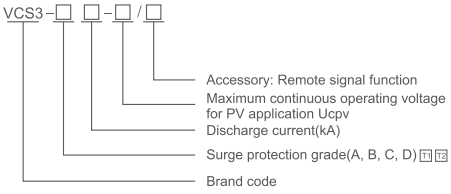
Structure and Principle

In the photovoltaic power system, the positive pole, negative pole and ground wiring all with protection. In normal, protector is in a high-resistance state. When the power grid is stroked by lightning or others to caused the over voltage, the protector will leak the over voltage into the ground in nanoseconds to protect the equipment which connect with power grid. When the surge voltage disappeared through the protector. The protector will recover to high-resistance state, and the power grid is going to working without any effects.

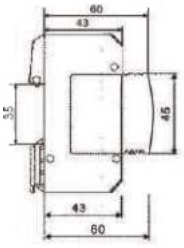
Product Installation

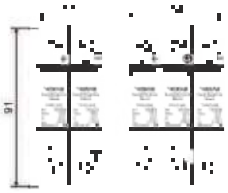
With 35mm standard Din-rail mounting, connecting copper stranded conductor is 2.5~35mm^2
Each pole is necessary with protection—using fuse or miniature circuit breaker to protect. It helps to protect them in the short circuit when SPD breakdown.
SPD is installed in front of protected equipment and connected with power supply circuit. A class SPD is installed in the building home-entry line hold larger surge current total distribution box. B, C class products most install on the floor distribution box, D class SPD is installed in front of equipment which with low surge current and in a low residual voltage place.

Model and meaning

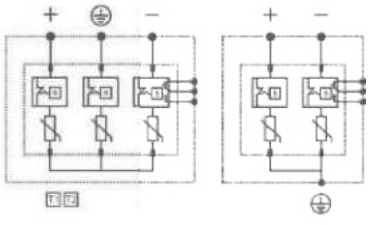


Dimension drawing





Schematic diagram



Main technical parameters

Model and specification	VCS3-C40			
Maximum continuous operating voltage for PV application Ucpv	500VDC	800VDC	1000VDC	1500VDC
Voltage protective level Up(kV)≤	1.8	3.0	3.6	3.6
Max discharge current (8/20μS) Imax(kA)	40			
Nominal discharge current (8/20μS) In(kA)	20			
Response time (ns)	<25			
Degree of protection	Ip20			
Operating state / fault indication	Green/Red			
Remote signal function	Can be chosen			
Remarks	Other DC voltage can be customized			

1P 2P 3P 4P

Product introduction

VCS4 Series surge protective device (Abbreviation: SPD) are suitable for AC 50/60Hz, rated voltage up to 380v IT, TT, TN-C, TN-S, TN-C-S and other power supply system, It protects the system from indirect and direct lightning effect or other transient over voltage
SPD is designed by according with GB18802.1/IEC61643-1 standard.

Structure and Principle

SPD as a port, its features are anti-shocking protection, indoor-mounted installation, voltage limiting.
SPD internal with a disconnector. When the SPD breakdown by over heating, the disconnector can remove from the power grid automatically, and show indication signal. When SPD is working normally, visible displays green, it displays red when it breakdown.
1P+N, 2P+N, 3P+N SPD accordingly consist of 1P, 2P, 3P, SPD+NPE zero ground protection module, applying to TN-S, TN-C-S and other power supply system.

Product Installation

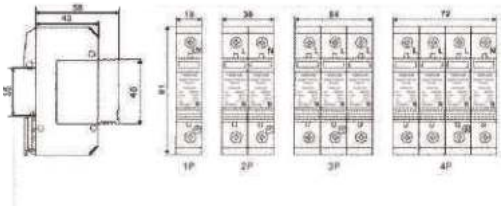
With 35mm standard Din-rail mounting, connecting copper stranded conductor is 2.5~35mm^2
Each pole is necessary with protection—using fuse or miniature circuit breaker to protect. It helps to protect them in the short circuit when SPD breakdown.
SPD is installed in front of protected equipment and connected with power supply circuit. A class SPD is installed in the building home-entry line hold larger surge current total distribution box. B, C class products most install on the floor distribution box, D class SPD is installed in front of equipment which with low surge current and in a low residual voltage place.

Model and meaning

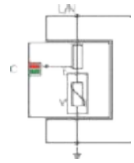
VCS4 – □ □ – □ / □ □

- Accessory: Remote signal function
- Pole: 1P, 2P, 3P, 4P
- Max continuous operating voltage Uc(V)
- Discharge current(kA)
- Surge protection grade(C, D) T2
- Brand code

Dimension drawing



Schematic diagram



V: High-performance MOV
t°: Heat trippinh device
C: Indication of invalidation
(Green: Normal, Red: Invalidation)

Main technical parameters

Model and specification	VCS4-D10	VCS4-D20	VCS4-C40	VCS4-B60
Max continuous operating voltage Uc(VAC)	385			
Voltage protective level Up(kV)≤	1.2	1.5	1.8	2.0
Max impulse current (8/20μS) Imax(kA)	10	20	40	60
Nominal discharge current (8/20μS) In(kA)	5	10	20	30
Response time (ns)	<25			
Degree of protection	Ip20			
Operating state / fault indication	Green/Red			
Remote signal function	Can be chosen			
Remarks	Other max continuous operating voltage can be customized (420VAC, 385VAC, 320VAC, 275VAC etc)			

1P 2P 3P 4P

Product introduction

VCS5 Series surge protective device(Abbreviation: SPD) belongs to Type 1and Type 2 (8/20 and 10/350 waveform) lightning protection, used in AC 50/60Hz, rated voltage up to 275v IT, TT, TN-C, TN-S, TN-C-S and other power supply system, It protects the system from indirect and direct lightning effect or other transient over voltage.
SPD is designed by according with GB18802.1/IEC61643-1 standard.

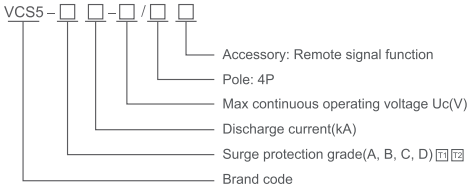
Structure and Principle

SPD as a port, its features are anti-shocking protection, indoor-mounted installation, voltage limiting.
SPD internal with a disconnector. When the SPD breakdown by over heating, the disconnector can remove from the power grid automatically, and show indication signal. When SPD is working normally, visible displays green, it displays red when it breakdown.
1P+N, 2P+N, 3P+N SPD accordingly consist of 1P, 2P, 3P, SPD+NPE zero ground protection module, applying to TN-S, TN-C-S and other power supply system.

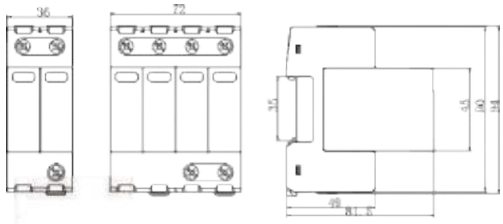
Product Installation

With 35mm standard Din-rail mounting, connecting copper stranded conductor is 2.5~35mm^2
Each pole is necessary with protection—using fuse or miniature circuit breaker to protect. It helps to protect them in the short circuit when SPD breakdown.
SPD is installed in front of protected equipment and connected with power supply circuit. A class SPD is installed in the building home-entry line hold larger surge current total distribution box. B, C class products most install on the floor distribution box, D class SPD is installed in front of equipment which with low surge current and in a low residual voltage place.

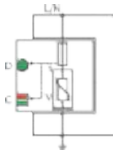
Model and meaning



Dimension drawing



Schematic diagram



V: High-performance MOV
t°: Heat trippinh device
C: Indication of invalidation
(Green: Normal, Red: Invalidation)
D: Indication of invalidation
(Green light: Normal, Light off: Invalidation)

Main technical parameters

Model and specification	VCS5-A4	VCS5-A8	VCS5-A12
Max continuous operating voltage Uc(VAC)		275	
Voltage protective level Up(kV)≤		1.5	
Max discharge current (8/20μS) Imax(kA)		60	
Nominal discharge current (8/20μS) In(kA)		30	
Max impulse current (10/350μS) Iimp(kA)	4.5	8	12.5
Response time (ns)		<25	
Degree of protection		Ip20	
Remote signal function		Can be chosen	
Remarks		Other Uc can be customized (420VAC, 320VAC, 385VAC etc.)	

1P 2P 3P 4P

Product introduction

VCS6 Series surge protective device (Abbreviation: SPD) are suitable for AC 50/60Hz, rated voltage up to 380v IT, TT, TN-C, TN-S, TN-C-S and other power supply system, It protects the system from indirect and direct lightning effect or other transient over voltage
SPD is designed by according with GB18802.1/IEC61643-1 standard.

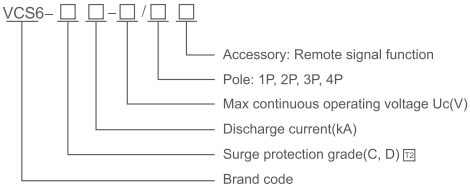
Structure and Principle

SPD as a port, its features are anti-shocking protection, indoor-mounted installation, voltage limiting.
SPD internal with a disconnector. When the SPD breakdown by over heating, the disconnector can remove from the power grid automatically, and show indication signal. When SPD is working normally, visible displays green, it displays red when it breakdown.
1P+N, 2P+N, 3P+N SPD accordingly consist of 1P, 2P, 3P, SPD+NPE zero ground protection module, applying to TN-S, TN-C-S and other power supply system.

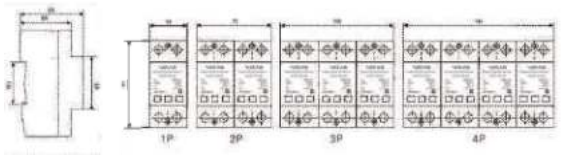
Product Installation

With 35mm standard Din-rail mounting, connecting copper stranded conductor is 2.5~35mm^2
Each pole is necessary with protection—using fuse or miniature circuit breaker to protect. It helps to protect them in the short circuit when SPD breakdown.
SPD is installed in front of protected equipment and connected with power supply circuit. A class SPD is installed in the building home-entry line hold larger surge current total distribution box. B, C class products most install on the floor distribution box, D class SPD is installed in front of equipment which with low surge current and in a low residual voltage place.

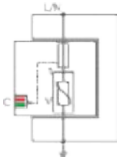
Model and meaning



Dimension drawing



Schematic diagram



V: High-performance MOV
t°: Heat trippinh device
C: Indication of invalidation
(Green: Normal, Red: Invalidation)

Main technical parameters

Model and specification	VCS6-B80	VCS6-B100	VCS6-B120	VCS6-B150
Max continuous operating voltage Uc(VAC)	385			
Voltage protective level Up(kV)≤	2.4	2.5	3.0	3.5
Max impulse current (8/20μS) Imax(kA)	80	100	120	150
Nominal discharge current (8/20μS) In(kA)	40	60	80	100
Response time (ns)	<25			
Degree of protection	Ip20			
Operating state / fault indication	Green/Red			
Remote signal function	Can be chosen			
Remarks	Other max continuous operating voltage can be customized (420VAC, 320VAC, 275VAC etc)			

VCS7-20J SURGE PROTECTION DEVICE

1P+N

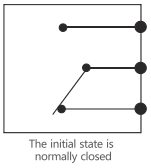
Product introduction

The VCS7-20Jsurge protective device has a reliable voltage protection level and safety,The overload characteristics of the discharge surge current have strong capacity. Lightning protection for AC low-voltage distribution systems.
VCS7-20Jsurge protective device products comply with GB/T 18802.1-2011 IEC61643-11.2011 standard.

Specification and Feature

- T2 voltage limiting surge protective device,2+0protection mode.
- Alarm contact to realize remote remote signaling function.
- Standard 35mm rail design for easy installation
- Builtoverheating, overcurrent protection device.
- Modular structure design, easy maintenance.
- Lightweight and compact design, width18mm。
- Local fault indication for timely replacement
- This product is RoHS compliant

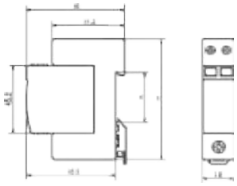
Model and meaning



The initial state is normally closed

Telematics — Telesignaling devices haveC-NC和 C-NO two sets of contacts, rated at 125VAC/3A.
C-NC is initially normally closed, and when it is turned on, it means that one or more protectors fail and output a fault signal;
C-NO is initially normally open, and when closed, it indicates that one or more protectors have failed and a fault signal is output.

Dimension drawing



Main technical parameters

Product model	VCS7-20J	
System nominal operating voltage Uo(V)	~230/400	
Maximum continuous operating voltage UC(V)	275	320
Nominal discharge current In(KA)	10	
Maximum discharge current Imax(KA)	20	
Voltage protection level Up(KV)	1.2	
Rated short-circuit current Isc(A)	500	
Local failure indication	Green indicates normal; Red indicates a fault	
Fault alarm contacts	Two sets of contacts: normally open and normally closed	
Response time Ta(ns)	25	
Insulation resistance IR(MΩ)	> 50	
Wiring capability	LandNport: 2.5mm^2; PEport: 4 mm^2	
Housing material	PA66	
Housing flame retardant rating	UL94-V-0	
Enclosure rating	IP20	
Combination method	2+0	
Installation method	DIN: 35 mm	
Use and storage temperature	Normal temperature - 5 ~ +40℃	Ultimate temperature- 40 ~ +70℃
Humidity - relative humidity	5%RH~95%RH	
elevation a.s.l(m)	< 2000	

SPD SERIES

1P 2P 3P 4P

Product introduction

VCS8 SPD has reliable voltage protection level and safe characteristic of overload, stong discharge current capability, applied to lighting protection of AC low voltage distribution system.

By7 surge protection device with high energy Mov chip, fast response speed, safe protection function. Products comply with GB18802.1-2011 (EC61643-1.2005), EC61643-11, 2011 standard

Model and meaning

VCS – □ □ – □ / □ □

- Xremote communication contact
- Max,continuous operating voltage Uc(V)
- Combination mode
- Max.discharge current Imax(kA)
- Design No.
- Surge protective device

Main technical parameters

Model	VCS8-20	VCS8-40
Nominal a.c voltage of the system Uo(V)	220(1N50Hz) 380(3N50Hz)	220(1N50Hz) 380(3N50Hz)
Max.continuous operating voltage Uc(V)	(N-PE 255) 275 320 385 420	(N-PE 255) 275 320 385 420 550 690 750
Nominal discharge current In 8/20 μS (kA)	10	20
Max.discharge current Imax 8/20 μS (kA)	20	40
Voltage protection level Up(kV)	<1.0 <1.0 <1.2 <1.5 <1.8	<1.0 <1.2 <1.5 <1.8 <2.0 <2.5 <3.0 <3.5
Combination	1+0 2+0 3+0 4+0 1+1 2+1 3+1	
Wiring capacity	4-16mm²	
Local indicator	Green indicates normal state and red indicates failure	
Protection class IP	IP20	
Material	Pa66	
The outer flame retardant grade	comply with UL94V-0	

Product Installation

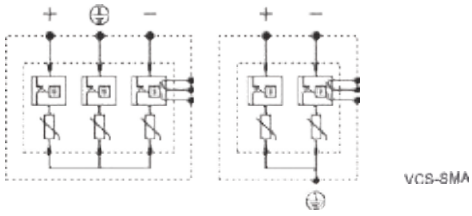
With 35mm standard Din-rail mounting,connecting copper stranded conductor is 2.5~35mm² .
Each pole is necessary with protection—using fuse or miniature circuit breaker to protect. It helps toprotect them in the short circuit when SPD breakdown.
SPD is installed in front of protected equipment and connected with power supply circuit. A class SPD isinstalled in the building home-entry line hold larger surge current total distribution box. B, C class productsmost install on the floor distribution box, D class SPD is installed in front of equipment which with low surgecurrent and in a low residual voltage place.

Model and meaning

VCS9-C40 –□ □–□ /□

- Accessory:Remote signal function
- Maximum continuous operating voltage for PV application Ucpv
- Discharge current (kA)
- surge protection grade (A、B、C、D)T1 T2
- Brand code

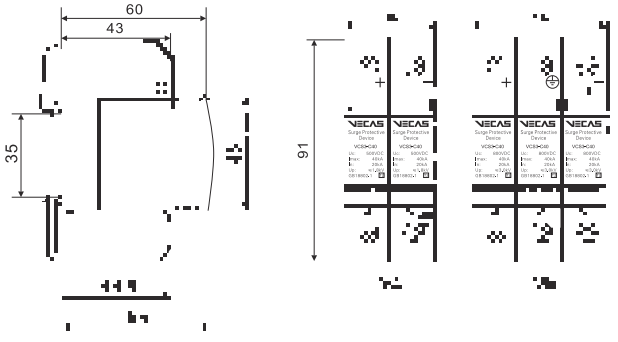
Schematic diagram



Main technical parameters

Model and specification	VCS9-C40			
Maximum continuous operating voltage for PV application Ucpv	DC500V	DC800V	DC1000V	DC1500V
Voltage protective level Up(kV)≤	1.8	3.0	3.6	3.6
Max discharge current (8/20μS)Imax(kA)	40			
Nominal discharge current (8/20μS)In(kA)	20			
Response time (ns)	<25			
Degree of protection	Ip20			
Operating state/ fault indication	Green/ Red			
Remote signal function	Can be chosen			
Remarks	Other DC voltage can be customized			

Overall & Installation Dimensions



VCS20-12.5 SURGE PROTECTION DEVICE



1P 2P 3P 4P

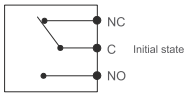
Product introduction

VCS20-12.5 Surge protective devices have a reliable level of voltage protection and safe overload characteristics,High ability to vent inrush current.Lightning protection. for AC low-voltage distribution systems.
BY20-12.5, surge protective device using high-energy MOV nonlinear components,Strong flow capacity,safe and reliable protection function.
Products comply with GB/T 18802.11-2020 and IEC 61643-11.2011 standard.

Specification and Feature

- Multi-piece combination to achieve various protection modes.
- Standard 35mm rail design for easy installation.
- This product is RoHS compliant.
- Built-in overheating and overcurrent protection device.
- Modular structure design, easy maintenance.
- Meet the requirements of T1+T2 test.

Model and meaning

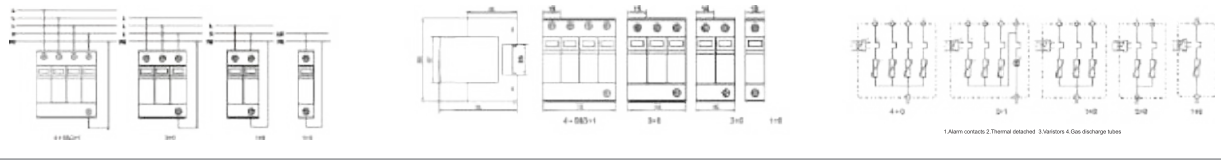


The remote signaling device has two sets of contacts, C-NC and C-NO. The rating is AC 125VAC/3A.
C-NC is initially normally closed: When turned on, it means that one or more protectors have failed, and a fault signal is output;
C-NO is initially normally open: When closed, it indicates that one or more protectors have failed and a fault signal is output.

Main technical parameters

Model	VCS20-12.5/4-385	VCS20-12.5/3-385	VCS20-12.5/2-385	VCS20-12.5/1-385
Nominal a.c voltagae of the system Uo(V)	~230/400			
Maxi continuous operating voltage Uc(V)	~385			
Nomin discharging current In(kA)	20			
Maxi discharging current Imac(kA)	40			
Impulse currsnt limp(kA)	2.5			
Electric charge quantity of Q (As)	6.25			
Specific energy(w/R)	39 kj/ohms			
Voltage protection level Up (kV)	1.8			
Response time T A	25ns			
Max.backup fuse	200 A gL/gG			
wiring	4mm ^{2}~35mm ^{2}			
Protection grade of the shell	IP20			
Material	Pa66			
Fiameproof grade	Accord with UL94-vO comply with UL94-Vo			

Overall & Installation Dimensions



SPD SERIES

1P 2P 3P 4P

Product Description

VCS10-485 surge protector protect un-earthed data (asymmetrical, suspended) cable that used for dual wire electronic measurement and control and the voltage shall not exceed 110V, frequency not more than 2MHz, to prevent data cable and related equipment from damage due to surge over-voltage caused by lightning or traveling wave. It is mounted between LPZ1→LPZ3.

Model and meaning

VCS –□/□ □

- Nominal discharge current In (8/20μS)
- Max continuous operating voltage Uc(V): 8V
- Interface: 485
- Signal surge protective device

Main technical parameters

Model and specification	VCS10-485				
Max continuous operating voltage Uc(AC)	6	12	24	48	120
Voltage protective level Up(kV)≤	10	10	10	10	200
Max discharge current (8/20μS) Imax(kA)			10		
Nominal discharge current (8/20μS) In(kA)			5		
Insertion loss (dB)			≤0.5		
Response time (ns)			≤1		
Degree of protection			Ip20		

Product Description

VCS11-RJ45 series signal surge protective device are specially used for various computer network such as ethernet network(LAN), its satisfied different types lightning-proofareas, the connector of its input and output is Rj45 male/female connector, which is easily connected and installed, and it is main used in server equipment, working station(intranet) and router, HUB, and board band Rj45 interface protection for protecting equipment, which will damaged by the over voltage of the earth or the line inductance.

Model and meaning

VCS11–□ □–□ /□

- Max continuous operating voltage Uc(V): 8V
- Transmission rate: 100Mbps-1000Mbps
- Protective circuit:4-1 2.3 6 8-1 2.3 6. 4 5.7 8
- Interface:RJ45
- Signal surge protective device

Main technical parameters

Model and specification	VCS11-RJ45/4	VCS11-RJ45/8
Max continuous operating voltage Uc(V)	8	
Nominal discharge current (8/20μS) (In)kA	5	
Voltage protective level Up(kV)≤	45	
Transmission rate (Mbps)	100	1000
Insertion loss (dB)	≤0.5	
Line interface	RJ45	
Protective pin	1 2.3 6	1 2.3 6.4 5.7 8
Response time (ns)	≤1	

Product Installation

VCS-12 series antenna surge protective device(in short :SPD,alias:surgearrester) is suitable for satelliteTV highfrequency ,satelite signal receicer,microwave machine station,the feed system of movingcommunication,which is to avoid the damage to the receiving equipmentcaused by over voltage of feedinductance

Model and meaning

VCS-12 □/□ □

- Frequency band width:0~2.5GHZ
- Impedance: 50Ω、75Ω
- Interface:BNC、F、N,UHF,TNC,SMA
- Coaxial surge protective device

Main technical parameters

Model and specification	VCS-12
Max continuous operating voltage Uc(V)	DC30/DC68/AC130/AC280
Nominal discharge current(8/20μS)In (kA)	5
Power(w)	<300
Frequency band width(GHz)	0-2.5
Insertion loss(dB)	≤0.5
Standing wave ratio	≤1.2
Optional interface	BNC/F/N/UHF/TNC/SMA

VECAS Electrical
WENZHOU HUAJIA
ELECTRICAL EQUIPMENT CO., LTD.

MCCB Series

- HNE 064
- HM6 066
- HM6E 068
- HM6LY 069
- HM6RT 071
- HM6EL 072
- HM6 073
- HM1 075
- HM3 077


HNE-100 1P


HNE-100 2P


HNE-100 3P

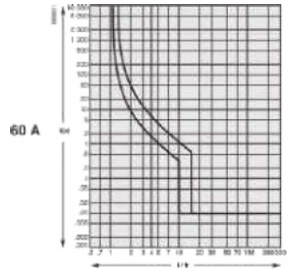
1P 2P 3P

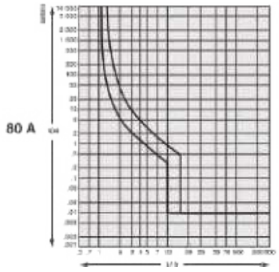
Application

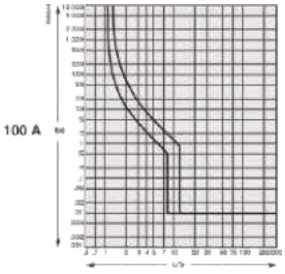
HNE moulded case circuit breaker is one of the most advanced type breakers in the world, which adopts international advanced design and manufacture technology. They are suitable for short circuit and overload protection for circuit of AC 690V 50/60Hz,rated current from 12.5A to 250A. Its rated insulation voltage is AC 690V. It can make and bresk the non-frequent circuit in the normal conditions.
It takes protect effect when mouse cage motors non-frequent start, breaking off working and protecting overload, short circuit and lacking voltage. It complies with IEC60947-2.

Technical Data

Type			HNE-100	HNE-100	HNE-100
Number ofpoles			1	2	3
Rated current In(A)			15,20,25,30,40, 50,60,75,80,100	15,20,25,30,40, 50,60,75,80,100	125,160, 225,250
Rated operating voltage Ue(V) AC50/60Hz			500	500	500
Rated Insulation voltage Ui(V)			500	500	500
Rated(kV) Uimp			6	6	6
Breaking capacity(kA ms) IEC60947-2	Icu AC	220/ 240V	25	50	85
		380V7.5	10	30	18
		400V7.5	7.5	20	15
	Ics%Icu	220/ 240V 25%	25%	25%	50%
		380V25%	25%	25%	50%
		400V25%	25%	25%	50%
Breaking capacity(kA) (NEMA-ABI) (HIC)	AC	240V-	–	25	25
		480V-	–	10	10
Mechanical life	8.500		8.500	8.500	8.500
Electrical life	4.000		4.000	4.000	4.000
Overload current protection(A)	Hot protection		Fixed	Fixed	Fixed
	Magnetism protection		Fixed	Fixed	Fixed
Dimensions(mm) LxHxD	75x130x60		75x130x60	75x130x60	105x165x65







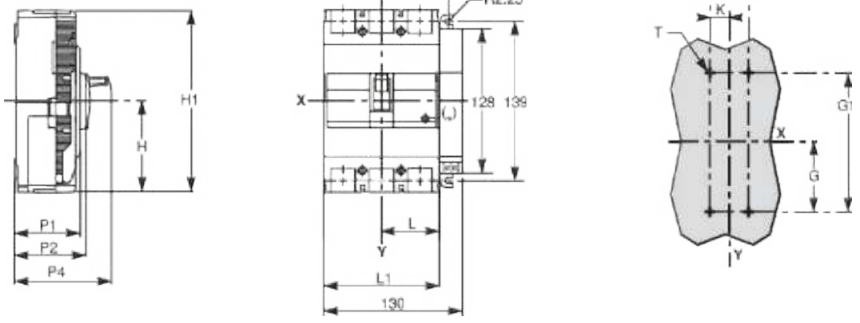
HNE-100 3P+4P

HNE-225 3P+4P

Type	C	C1	C2	C3	G	G1	H	H1	H2	H3	H4	H5	H6	H7	K	K1
HNE 100	26.5	53	26	52	55.5	111	65	52	26.5	114	50	115	228	230	12.5	25
HNE 160/250	26.5	53	26	52	63	126	82.5	52	26.5	132.5	80	162.5	265	325	17.5	35

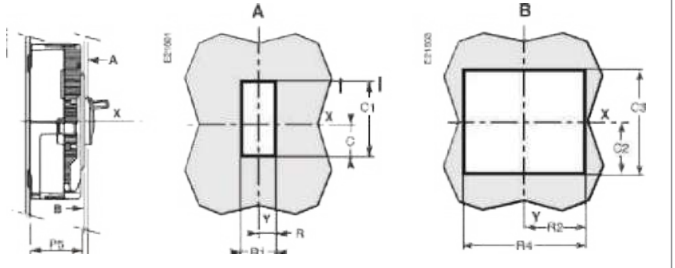
Type	L	L1	P1	P2	P4	P5	P6	P7	P8	R	R1	R2	R4	ϕT
HNE 100	37.5	75	60	64	81	61	66	55	55	12	24	35.5	71	3.65*
HNE 160/250	52.5	105	60	66	85.5	61	68	52	58.5	12	24	51	102	5*

Dimensions

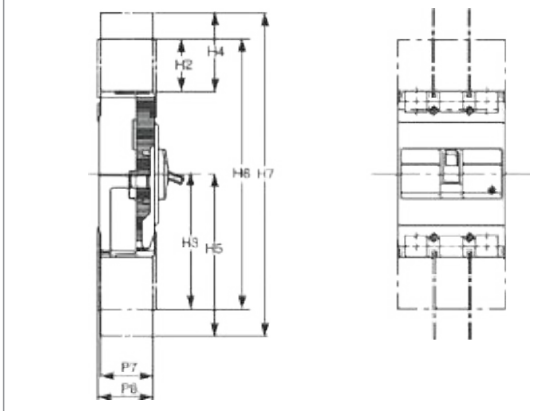


(*) 欠压脱扣器用于 160/250A

Size of Opening



Phase Partition and Terminal Canopy Hood



HM6-125S

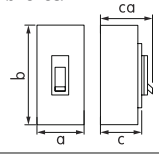
HM6-160S

2P 3P 4P

Application

HM6,HM6LY,HM6RT,HM6E and HM6EL series of circuit breakers are new upgraded circuit breakers researched and developed by the company combined with the advantages of similar international products and demand of domestic and international markets.
With insulation voltage up to 1000V, the circuit breaker is applicable for distribution systems of AC50Hz, rated working voltage 690V and rated working current from 10A to 800A, used to distribute electric power energy, protect circuits and power equipment against overload, short circuit, undervoltage and so on, also can be used for infrequent startup of motor and protect it from overload, short circuit or undervoltage. It is featured with small size, high breaking, short flashover, etc., is the ideal product for users. It can be vertically installed or horizontally installed.STM6DC series DC moulded-case circuit breaker (hereinafter referred to as circuit breaker) is suitable for DC systems of rated voltage up to and including DC 1000V and rated current 10~800A,used to distribute electric power energy, protect circuits and power equipment against overload,short circuit and so on.The products can be fed with wires from top and bottom, and it is polarity-free. It complies with the standards IEC60947-2, GB14048.2, etc.

Main performance indexes

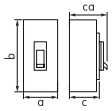
Frame current(A)		125		160			250		
Model		HM6-125S	HM6-125H	HM6-160S	HM6-160M	HM6-160H	HM6-250S	HM6-250M	HM6-250H
Pole number		2,3,4		2,3,4			3,4		
Rated current(A)		10,16,20,32,40,50,63,80,100,125		10,16,20,32,40,50,63,80,100,125,140,160			100,125,140,160,180,200,225,250		
Rated voltage(V)		AC400V		AC400V			AC400V		
Rated insulation voltage(V)		AC1000V		AC1000V			AC1000V		
Short-circuit breaking capacity(kA)Icu/Ics	AC 400V	25/15	36/18	35/2550/3550/35			35/2565/4265/65		
Operating cycle number	ON	6000		3000			3000		
	OFF	9000		7000			7000		
Outline dim.(mm) a-b-c-ca 	2P	50-130-68-90		60-155-68-90	60-155-68-90	60-155-88-115	-		-
	3P	75-130-68-90		90-155-68-90	90-155-68-90	90-155-88-115	105-165-68-92		105-165-88-115
	4P	100-130-68-90		120-155-68-90	120-155-68-90	120-155-88-115	140-165-68-92		140-165-88-115
Wight(kg)	2P	0.5	0.55	1.0		1.1	-		
	3P	0.55	0.65	1.1		1.2	1.5		
	4P	0.65	0.8	1.4		1.5	1.9		
Electric operating device(MD)		•		•			•		
External driving operating handle		•		•			•		
Automatic release		Thermal electromagnetic type		Thermal electromagnetic type			Thermal electromagnetic type		

HM6-250H

HM6-250S

2P 3P 4P

Main performance indexes

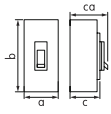
Frame current (A)		400			630			800			1250		
Model		HM6-400S	HM6-400M	HM6-400H	HM6-630S	HM6-630M	HM6-630H	HM6-800S	HM6-800M	HM6-800H	HM6-1250S	HM6-1250M	HM6-1250H
Pole number		3, 4			3, 4			3, 4			3, 4		
Rated current (A)		250, 315, 350, 400, 500, 630			250, 315, 350, 400, 500, 630			500,630,700, 800			500,630,700, 800		
Rated voltage (V)		AC400V			AC400V			AC400V			AC400V		
Rated insulation voltage (V)		AC1000V			AC1000V			AC1000V			AC1000V		
Short-circuit breaking capacity (KA) Icu/Ics	AC 400V	50/35	65/65	85/50				50/35	65/42	70/70	50/35	65/42	70/70
Operating cycle number	ON	2000			2000			1500			1500		
	OFF	4000			4000			4000			4000		
Outline dim. (mm) a-b-c-ca 	3P	140-257-103-155			140-257-103-155			210-275-103-155			210-275-103-155		
	4P	184-257-103-155			184-257-103-155			280-257-103-155			280-257-103-155		
Wight (kg)	3P	5. 5			5. 7			9.5			9.5		
	4P	7. 0			7. 5			12. 5			12. 5		
Electric operating device (MD)		•			•			•			•		
External driving operating handle		•			•			•			•		
Automatic release		Thermal electromagnetic type			Thermal electromagnetic type			Thermal electromagnetic type			Thermal electromagnetic type		

HM6E-160S

HM6E-250H

2P 3P 4P

Main performance indexes

Frame current (A)		160	250	400	630	800	1250
Model		M6E-160	M6E-250	M6E-400	M6E-630	M6E-800	M6E-1250
Pole number		3, 4	3, 4	3, 4	3, 4	3, 4	3, 4
Rated current (A)		16-32, 40-125, 80-160	100-250	200-400	200-400, 300-630	300-630, 400-800	300-630, 400-800
Rated voltage (V)		AC400V	AC400V	AC400V	AC400V	AC400V	AC400V
Rated insulation voltage (V)		AC1000V	AC1000V	AC1000V	AC1000V	AC1000V	AC1000V
Short-circuit breaking capacity (KA) Icu/Ics	AC 400V	50/35	65/65	65/65	65/65	70/70	70/70
Operating cycle number	ON	1500	1000	1000	1000	1000	1000
	OFF	7000	7000	4000	4000	4000	4000
Outline dim. (mm) a-b-c-ca 	3P	90-155-88-115	105-165-88-115	140-257-103-155	140-257-103-155	210-257-103-155	210-257-103-155
	4P	90-155-88-115	140-165-88-115	185-257-103-155	185-257-103-155	280-257-103-155	280-257-103-155
Wight (kg)	3P	1.8	2.1	5.5	5.7	5.7	5.7
	4P	2.3	2.6	7.0	7.5	7.5	7.5
Electric operating device (MD)		•	•	•	•	•	•
External driving operating handle		•	•	•	•	•	•
Automatic release		Electronic type	Electronic type	Electronic type	Electronic type	Electronic type	Electronic type

HM6LY-250S

Main performance indexes

Frame current		125		160		
Model		HM6LY-125S	HM6LY-125H	HM6LY-160S	HM6LY-160M	HM6LY-160H
Pole number		2, 3, 4		2, 3, 4	3, 4	
Power supply system		3φ 3W, 1φ 2W, 1φ 3W		3φ 3W, 1φ 2W, 1φ 3W		
		3φ 4W		3φ 4W		
Rated current		10, 16, 20, 32, 40, 50, 63, 80, 100, 125		10, 16, 20, 32, 40, 50, 63, 80, 100, 125, 140, 160		
Rated voltage		AC400V		AC400V		
Rated insulation voltage		AC690V		AC690V		
Leakage indication system		Button		Button		
Short-circuit breaking capacity (KA)Icu/Ics	AC 400V	25/15	36/18	35/25	50/35	50/35
Operating cycle number	ON	6000		6000	3000	
	OFF	9000		9000	7000	
Quick type	Rated residual operating current	30, 100, 500 (adjustable)		30, 100, 500 (adjustable)		
	Max. actuation time	0.1		0.1		
Delay type	Rated residual operating current	100, 300, 500 (adjustable)		100, 300, 500 (adjustable)		
	Max. actuation time	—		—		
	Max. actuation time under 21△ n (s)	0.45, 1.0, 2.0 (adjustable)		0.45, 1.0, 2.0 (adjustable		
	Inertia non-actuation time under 21 △ n (s)	0.1, 0.5, 1.0		0.1, 0.5, 1.0		
Outline dim. (mm) a-b-ca	(2P)	50-130-68-90		60-155-68-90		
	(3P)	75-130-68-90		90-155-68-90		90-155-88-115
	(4P)	100-130-68-90		120-155-68-90		120-155-88-115
Weight (kg)	(2P)	0.55		0.75	0.75	0.75
	(3P)	0.65		0.85	1.2	1.2
	(4P)	0.8		1.2	1.5	1.5
Electric operating device (MD)		•		•		
External driving operating handle		•		•		
Automatic release		Thermal electromagnetic type		Thermal electromagnetic type		

HM6LY-250S

Main performance indexes

Frame current		250		400		800
Model		HM6LY-250S	HM6LY-250M HM6LY-250H	HM6LY-400S	HM6LY-400H	HM6LY-800H
Pole number		3, 4		3, 4		3, 4
Power supply system		3 ϕ 3W, 1 ϕ 2W, 1 ϕ 3W		3 ϕ 3W, 1 ϕ 2W, 1 ϕ 3W		3 ϕ 3W, 1 ϕ 2W, 1 ϕ 3W
		3 ϕ 4W		3 ϕ 4W		3 ϕ 4W
Rated current		100, 125, 140, 160, 180,200, 225, 250		250, 315, 350, 400		500, 630, 700, 800
Rated voltage		AC400V		AC400V		AC400V
Rated insulation voltage		AC690V		AC690V		AC690V
Leakage indication system		Button		Button		Button
Short-circuit breaking capacity (KA)Icu/Ics	AC 400V	35/2565/4265/6550/35		65/65		70/70
Operating cycle number	ON	3000		2000		2000
	OFF	7000		4000		4000
Quick type	Rated residual operating current	30, 100, 500 (adjustable)		30, 100, 500(adjustable)		30, 100, 500 (adjustable)
	Max. actuation time	0.1		0.1		0.1
Delay type	Rated residual operating current	100, 300, 500(adjustable)		30, 100, 500(adjustable)		100, 300, 500(adjustable)
	Max. actuation time	—		—		—
	Max. actuation time under 21△ n (s)	0.45, 1.0, 2.0(adjustable)		0.45, 1.0, 2.0 (adjustable)		0.45, 1.0, 2.0 (adjustable)
	Inertia non-actuation time under 21 △ n (s)	0.1, 0.5, 1.0		0.1, 0.5, 1.0		0.1, 0.5, 1.0
Outline dim. (mm) a-b-ca	(2P)					
	(3P)	105-165-68-92	105-165-88-115	140-257-103-155		210-257-103-155
	(4P)	140-165-68-92	140-165-88-115	185-257-103-155		280-257-103-155
Weight (kg)	(2P)					
	(3P)	2.0	2.1	6.6		12.5
	(4P)	2.5	2.6	8.4		17.5
Electric operating device (MD)		•		•		•
External driving operating handle		•		•		•
Automatic release		Thermal electromagnetic type		Thermal electromagnetic type		Thermal electromagnetic type

HM6RT-250H

2P 3P 4P

Main performance indexes

Frame current (A)		160			250		
Model		HM6RT-160S	HM6RT-160M	HM6RT-160H	HM6RT-250S	HM6RT-250M	HM6RT-250H
Pole number		3, 4			3, 4		
Rated current(A)		20-25, 25-32, 32-40, 40-50, 50-63, 63-80,80-100, 100-125A, 125-160A			100-125, 125-160, 160-200, 200-250A		
Rated voltage(V)		AC400V			AC400V		
Rated insulation voltage(V)		AC1000V			AC1000V		
Short-circuit breaking capacity(KA)Icu/Ics	AC400V	35/25	50/35	50/35	35/25	50/35	50/35
Operating cycle number	ON	3000			3000		
	OFF	7000			7000		
Outline dim.(mm) a-b-c-ca	3P	90-155-68-90		90-155-88-115	105-165-68-92		105-165-88-115
	4P	120-155-68-90		90-155-88-115	140-165-68-92		140-165-88-115
Wight (kg)	3P	1.0	1.0	1.1	1.5		1.7
	4P	1.1	1.4	1.7	1.9		2.1
Electric operating device(MD)		•			•		
External driving operating handle		•			•		
Automatic release		Thermal electromagnetic type			Thermal electromagnetic type		

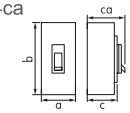
Frame current (A)		400		630		800	
Model		HM6RT-400S	HM6RT-400H	HM6RT-630S	HM6RT-630H	HM6RT-800S	HM6RT-800H
Pole number				3, 4		3, 4	
Rated current (A)		200-250, 250-320, 320-400		400-500, 500-630		400-500, 500-630, 630-800	
Rated voltage (V)		AC400V		AC400V		AC400V	
Rated insulation voltage (V)		AC1000V		AC1000V		AC1000V	
Shor t -ci rcui t break ing capacity (KA)Icu/Ics	AC 400V	50/35	65/65	50/35	65/65	50/35	70/70
Operating cycle number	ON	2000		2000		1500	
	OFF	4000		4000		4000	
Outline dim. (mm) a-b-c-ca	3P	140-257-103-155		140-257-103-155		210-275-103-155	
	4P	185-257-103-155		185-257-103-155		280-275-103-155	
Wight (kg)	3P	5.5		5.7		9.5	
	4P	7.0		7.5		12.5	
Electric operating device (MD)		•		•		•	
External driving operating handle		•		•		•	
Automatic release		Thermal electromagnetic type		Thermal electromagnetic type		Thermal electromagnetic type	

HM6EY-250H

HM6EY-630H

3P 4P

Main performance indexes

Frame current (A)			160	250	400	800
Model			HM6EL-160	HM6EL-250	HM6EL-400	HM6EL-800
Power supply system			3φ 3W, 1φ 2W 1φ 3W	3 ϕ 4W, 3 ϕ 3W,1 ϕ 3W 1 ϕ 2W, 1 ϕ 3W	3 ϕ 3W, 1 ϕ 2W 1 ϕ 3W	3 ϕ 3W,1 ϕ 2W 1 ϕ 3W, 3 ϕ 4W
Rated current (A)			16-32, 40-125 80-160	100-250	200-400	300-630, 400-800
Pole number			3, 4	3, 4	3, 4	3, 4
Rated voltage Ue(V)			AC440V	AC440V	AC440V	AC440V
Rated insulation voltage Ui(V)			AC1000V	AC1000V	AC1000V	AC1000V
Quick type	Rated residual operating current		100, 300, 500(adjustable)	100, 300, 500(adjustable)	100, 300, 500(adjustable)	100, 300, 500(adjustable)
	Max. actuation time		0.1	0.1	0.1	0.1
Delay type	Rated residual operating current		100, 300, 500(adjustable)	100, 300, 500(adjustable)	100, 300, 500(adjustable)	100, 300, 500(adjustable)
	Max. actuation time under 21△n (s)		0.45, 1.0, 2.0(adjustable)	0.45, 1.0, 2.0(adjustable)	0.45, 1.0, 2.0(adjustable)	0.45, 1.0, 2.0(adjustable)
	Inertia non-actuation time under 21△n (s)		0.1, 0.5, 1.0	0.1, 0.5, 1.0	0.1, 0.5, 1.0	0.1, 0.5, 1.0
Leakage indication system			Button	Button	Button	Button
Short-circuit breaking AC capacity (KA)Icu/Ics		400V	50/35	65/65	65/65	70/70
Operating cycle number		ON	1500	1000	1000	1000
		OFF	7000	7000	4000	4000
Outline dim. (mm) a-b-c-ca 		(3P)	90-155-88-115	105-165-88-115	140-257-103-155	210-257-103-155
		(4P)	120-155-88-115	140-165-88-115	185-257-103-155	280-257-103-155
Wight (kg)		(3P)	1.8	2.1	6.6	12.5
		(4P)	2.3	2.6	8.4	17.5
Electric operating device (MD)			•	•	•	•
External driving operating handle			•	•	•	•
Automatic release Electronic type				Electronic type	Electronic type	Electronic type

Product Selection Guide

M6	125	C	P	4
↓	↓	↓	↓	↓
Product code	Frame size	Current class	Code of control circuit source voltage	Pole number
Moulded-case circuit breaker	125 160 250 400 630 800 Note: 125 is upgraded type of 63 frame 160 is upgraded type of 100 frame 250 is upgraded type of 225 frame 630 is upgraded type of 400 frame	125 160 250 400 630 800	S 25/15 35/25 35/25 50/35 50/35 50/35 M 50/35 50/35 65/42 65/42 65/42 H 36/18 50/35 65/65 65/65 70/70	P:electric operation Z:rotary handle W:direct operation	3:3-pole 4:4-pole

300	125A	2	A
↓	↓	↓	↓
Release type and internal accessory	Rated current(A)	Application	Code of four-pole product
The first digit represents release type 2:has instantaneous release only; 3:complex release Note: Later two digits are the code o faccessories(see accessory table)	125 10,16,20,32,40,50,63,80,100,125 160 10,16,20,32,40,50,63,80,100,125,140,160 250 100,125,140,160,180,200,225,250 400 250,300,315,350,400 630 400,500,630 800 500,630,700,800	1:power distribution 2:motor protection	A:N-pole without protection, cannot close or open B:N-pole without protection, can close and open C:N-pole with protection, can close and open D:N-pole with protection, cannot close or open

Q1	D1	Q	2
↓	↓	↓	↓
Accessory voltage	Electric operation voltage	Installation methods	Install wiring board or not

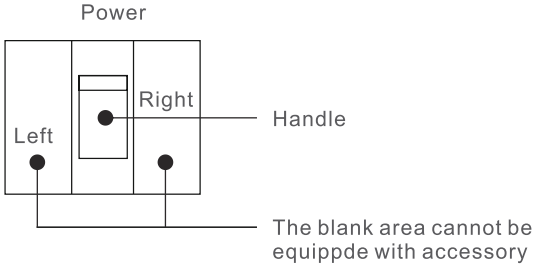
Undervoltage release	Shunt release	Auxiliary alarm	DC 1electric operation	DC 3electric operation
Q1:AC220V Q2:AC240V Q3:AC380V Q4:AC415V	F1:AC220V F2:AC380V F3:DC110V F4:DC24V	J1:AC125V J2:AC250V J3:DC125V J4:DC24V	D1:AC220V D2:AC230V D3:AC380V D4:AC400V	D5:AC230V D6:AC110V D7:DC220 D8:DC110 D9:AC110-240V D10:DC100-220V

Installation methods	Install wiring board or not
Q:front-board H:back-board C:plug-in type	1:No 2:Yes

Note:Adaptable voltages for two electric operations.
Please refer to the introduction of external accessory

Accessory Table

Model		HM6-125	HM6-160	HM6-250	HM6-400 hm6-630	HM6-800
Breaking capacity		S,H	S,M,H	S,M,H	S,M,H	S,H
Pole number		2,3,4	2,3,4	3,4	3,4	3,4
Accessory code	Accessory name					
208,308	Alarm switch					
210,310	Shunt release					
220,320	Auxiliary switch					
230,330	Undervoltage release					
240,340	Shunt release,auxiliary switch					
260,360	Two groups of auxiliary switch					
270,370	Auxiliary switch, undervoltage release					
218,318	Shunt release, alarm switch					
228,328	Auxiliary switch, alarm switch					
238,338	Undervoltage release, alarm switch					
248,348	Shunt release,auxiliary switch,alarm switch					
268,368	Two groups of auxiliary switch,alarm switch					
278,378	Auxiliary switch,undervoltage release,alarm switch					
280,380	Two groups of auxiliary switch,shunt release					



● Alarm switch ○ Auxiliary switch □ Shunt release ■ Undervoltage release

Note: 1、The company can provide three new products of right auxiliary switch,left shunt release and left undervoltage release for choice.
2、Within 220,320,240,340,270 and 370 specifications,auxiliary switch can be supplied with two pair switches,please specify in the order.
3、P switches of M6LY,M6E and M6EL can not be equipped with right auxiliary switch,right shunt release and right undervoltage release.

HM1-63 3P

HM1-100 3P

Application

HM1 Series of moulded case circuit breaker is one of our new type productsdeveloped and manufactured by adopting international advanced technology. It issupplied with rated insulating voltage 660V and used for circuit of A.C.50Hz, ratedoperating voltage AC 380V. (Or below), rated operating current up to 800A forinfrequent changing over and starting of the motors. Equipped with the protectiondevices for over-current, short circuit and under voltage, the products are capableof preventing damage of circuits and supply units.

Classification

Accord to product poles. Two kings of three-pole are provided
The neutral pole(N pole) of four poles has four types

Technical Data

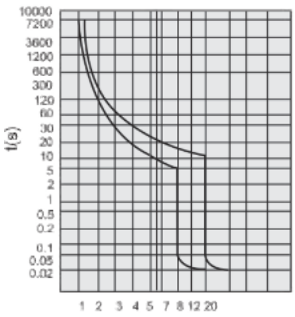
Type	Rated current of trip (In A)	Pole number	Rated insulating voltage (V)	Rated operating distance (mm)	Arcing-over distance (mm)	Uitimate short circuit breakering capacity (kA)	Short circuit breaking capacity (kA)	Operation performance	
								ON	OFF
HM1-63L	6,10,16,20, 25,32,40, 50,63	3P 4P	660V	380V	0	25	18	1000	8500
HM1-63M					0	50	35		
HM1-100C					0	25	18		
HM1-100L	10,16,20,25 32,40,50,63 80,100				0(≤50)	35	22		
HM1-100M					0(≤50)	50	35		
HM1-100H					0(≤50)	85	50		
HM1-225C	100,125,160 180,200,225				≤50	25	18	1000	7000
HM1-225L					≤50	35	22		
HM1-225M					≤50	50	35		
HM1-225H					≤50	85	50		
HM1-400C	225,250,315 350,400				≤50	35	25	1000	4000
HM1-400L					≤50	50	35		
HM1-400M					≤100	65	42		
HM1-630C					≤100	35	25		
HM1-630L	400,500,600				≤100	50	35		
HM1-630M					≤100	65	42		
HM1-630H					≤100	100	65		
HM1-800M	630,700,800				≤100	65	42		
HM1-800H					≤100	100	65		

HM1-225 3P

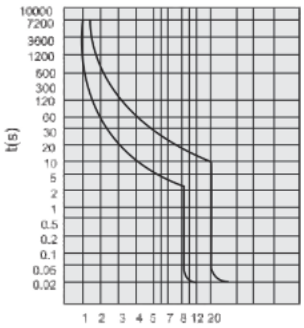
HM1-400 3P

HM1-630 3P

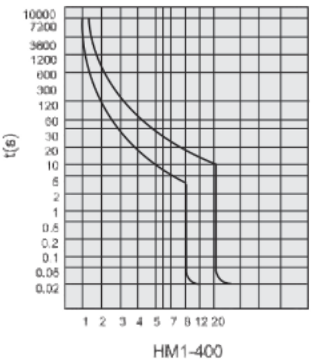
Performance Curve of Release



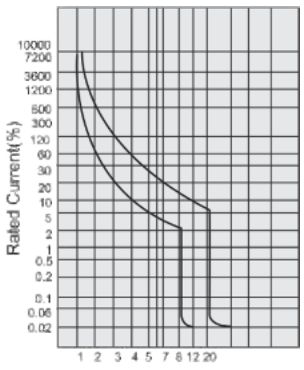
HM1-63、100(400~100)



HM1-225



HM1-400



HM1-630、800

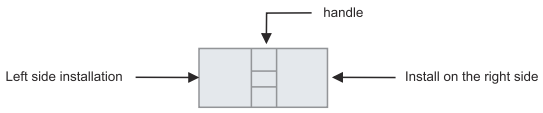
Protection Characteristics

The thermodynamic release of a circuit breaker provides the feature of inverse time delay, while the magnetic release is the instantaneous operation as show on table 2 (distribution circuit-breaker) and table 3 (motor protection circuit breakers).

Working Conditions

Rated current of release(A)	Thermodynamic release(ambient temp 1and+40℃ msrine+45℃)		Operational current of magnetic release(A)
	1.05In(cold state)inoperation time(h)	1.30In(heat state) operative time(h)	
10≤In≤63	≥1	<1	10In±20%
63≤In≤100	≥2	<2	
100≤In≤630	≥2	<2	10In±20%、5-10In±20%

Trip device method and accessory code



Alarm contacts
Undervoltage release device
Auxiliary contacts
Lead direction
Shunt tripper

Attachment name	Trip method and internal accessory code		Accessory mounting side and lead orientation					
	Electromagnetic tripper	Duplex trip device	HM3-63	HM3-125	HM3-250	HM3-400	HM3-630	HM3-800
No attachments	300	300						
Alarm contacts	208	308						
Shunt tripper	210	310						
Auxiliary contacts	220	320						
Undervoltage release device	230	330						
Shunt release 、Auxiliary contacts	240	340						
Shunt release、Undervoltage release device	250	350						
Two sets of auxiliary contacts	260	360						
Auxiliary contacts、Undervoltage release device	270	370						
Auxiliary contacts、Undervoltage release device	218	318						
Shunt release Alarm contacts	228	328						
Undervoltage release Alarm contacts	238	338						
Shunt release、Auxiliary contact、Alarm contact、	248	348						
Two sets of auxiliary contacts、Alarm contacts	268	368	Not	Not	Not			
Auxiliary contacts Undervoltage release Alarm contacts	278	378	Not	Not	Not			

※ Note: 000: indicates no thermal or electromagnetic tripper; 200: Indicates a circuit breaker with an electromagnetic release only;
300: Indicates a circuit breaker with a thermal-electromagnetic release device.

Protection features

For power distribution

Trip current rating(A)	Thermal release (ambient +40C)		Electromagnetic release device operating current (A)
	1.05In (cold) inaction time (h)	1.30In (hot) action time (h)	
10≤In≤63	No action for 1 hour	≤ 1	10In±20%
63<In≤100	No action for 2 hour	≤ 2	
100<In≤800	No action for 2 hour	≤ 2	5In±20%,10In±20%

For the protection of electric motors

Circuit breaker model	Thermal release (ambient +40C)					Electromagnetic release device operating current (A)
	1.0In (cold state) inaction time (h)	1.2LN (hot) action time (h)	1.5In (hot) action time (h)	1.5In (hot) action time (h)	Trip level	
HM3-63L、M、H	No action for 2 hours	≤2	≤2min	0.5s<TP≤5s	5	12In ±20%
HM3-125L、M、H			≤4min	4s<TP≤10s	10	
HM3-250L、M、H HM3-400M、H HM3-630M、H HM3-800M、H			≤8min	6s<TP≤20s	20	

※Note: The operating current value of 10~25A electromagnetic trip in CBRM3-63L and M is 300A+20%.

Technical parameters

Model		HM3-63		HM3-125			HM3-250			HM3-400		HM3-630		HM3-800	
Shell frame current Inm(A)		63		125			250			400		630		800	
Rated current In(A)		10、16、20 25、32、40 50、63		16、20、25、32、 40、50、63、80、 100、125			100、125、140 160、180、200 225、250			225、250、315 350、400		400、500 630		630、700 800	
Number of poles		3	4	3	4		3	4		3	4	3	4	3	4
Rated insulation voltage Ui(V)				AC1000			AC1000								
Rated operating voltage Ue(V)		AC400					AC400		AC690						
Rated impulse withstand voltage Uimp(v)		8000		8000			12000								
Arc Distance(mm)		50								100					
Breaking capacity level		L	M	L	M	H	L	M	H	M	H	M	H	M	H
Rated limit short-circuit breaking capacity Icu(kA)	AC690V				20			20		20		20		30	
	AC400V	35	50	50	70	100	50	70	100	70	100	70	100	75	100
Rated operating short-circuit breaking capacity Ics(kA)	AC690V				10			10		10		15		20	
	AC400V	35	50	35	50	70	35	50	70	70	75	70	75	75	75
Operational performance (times)	Power	6000		3000			2000			1500		1000			
	NO power	8500		7000			4000			4000		2500			
	Total number of times	14500		10000			6000			5500		3500			

VECAS Electrical
WENZHOU HUAJIA
ELECTRICAL EQUIPMENT CO., LTD.

MODULAR CONTACTOR Series

- HJCH8 080
- HJCH8M 084
- HJCH8C 087
- VIR 090

1P 2P 3P 4P

Specification and Feature

The HJCH8S modular contactor (hereinafter referred to as contactor) is mainly suitable for AC 50Hz (or 60Hz), rated working voltage to 400V and rated current operation in the circuit up to 100A, it can control the low-inductance and low-inductance load of household appliances and similar purposes; it can also be used to control the load of household motors. The power should be reduced accordingly. The BCH8 contactors according to standard IEC/EN61095， IEC60947-4-1and are used mainly in buildings for switching and controlling lighting, heating, ventilation and pumps. They are part of the complete range of Din rail products and can be integrated easily in dedicated panels.

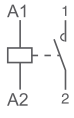
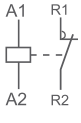
AC24~240V Modular contactor

HJCH8 - □ □ □ /□ □ ▭

- Coil Voltage
- Normal Clos
- Normal Open
- M: Operation by Manual
- Current

(eg. BCH8-25/20 230V . It is 25A , 2NO ,230V AC current coil voltage)

AC 1P,1modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8-16/10	16A	6A	24 110 240	
HJCH8-20/10	20A	7A		
HJCH8-25/10	25A	9A		
HJCH8-16/01	20A	6A	24 110 240	
HJCH8-20/01	16A	7A		
HJCH8-25/01	25A	9A		

AC 2P,1modules

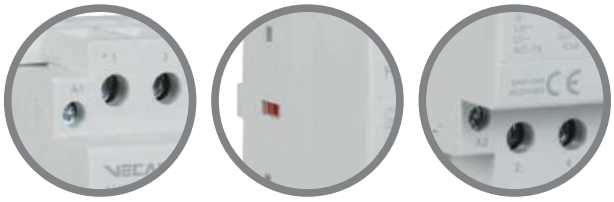
Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8-16/20	16A	6A	24 110 240	
HJCH8-20/20	20A	7A		
HJCH8-25/20	25A	9A		
HJCH8-16/11	16A	6A	24 110 240	
HJCH8-20/11	20A	7A		
HJCH8-25/11	25A	9A		
HJCH8-16/02	16A	6A	24 110 240	
HJCH8-20/02	20A	7A		
HJCH8-25/02	25A	9A		

AC 2P,2modules

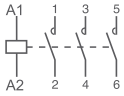
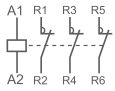
Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8-16/20	32A	12A	24 110 240	
HJCH8-20/20	40A	18A		
HJCH8-25/20	63A	25A		
HJCH8-16/11	32A	12A	24 110 240	
HJCH8-20/11	40A	18A		
HJCH8-25/11	63A	25A		
HJCH8-16/02	32A	12A	24 110 240	
HJCH8-20/02	40A	18A		
HJCH8-25/02	63A	25A		

AC 2P,3modules

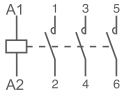
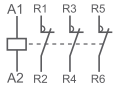
Contactor Model	Ie Rating	Uc (V AC)(50Hz)	Circuit Diagram
	AC-1		
HJCH8-100/20	100A	24 110 240	
HJCH8-100/11	100A	24 110 240	
HJCH8-100/02	100A	24 110 240	



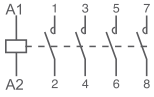
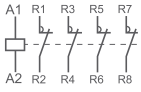
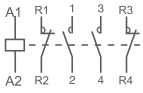
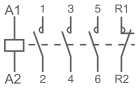
AC 3P,2modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8-16/30	16A	6A	24 110 240	
HJCH8-20/30	20A	7A		
HJCH8-25/30	25A	9A		
HJCH8-16/03	16A	6A	24 110 240	
HJCH8-20/03	20A	7A		
HJCH8-25/03	25A	9A		

AC 3P,3modules

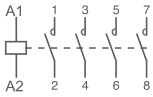
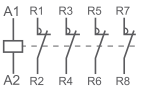
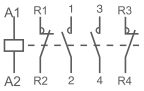
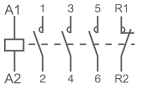
Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8-32/30	32A	12A	24 110 240	
HJCH8-40/30	40A	18A		
HJCH8-63/30	63A	25A		
HJCH8-32/03	32A	12A	24 110 240	
HJCH8-40/03	40A	18A		
HJCH8-63/03	63A	25A		

AC 4P,2modules

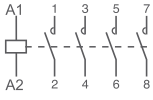
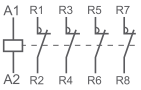
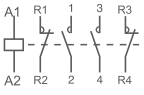
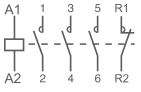
Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8-16/40	16A	6A	24 110 240	
HJCH8-20/40	20A	7A		
HJCH8-25/40	25A	9A		
HJCH8-16/04	16A	6A	24 110 240	
HJCH8-20/04	20A	7A		
HJCH8-25/04	25A	9A		
HJCH8-16/22	16A	6A	24 110 240	
HJCH8-20/22	20A	7A		
HJCH8-25/22	25A	9A		
HJCH8-16/31	16A	6A	24 110 240	
HJCH8-20/31	20A	7A		
HJCH8-25/31	25A	9A		

1P 2P 3P 4P

AC 4P,3modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8-32/40	32A	12A	24 110 240	
HJCH8-40/40	40A	18A		
HJCH8-63/40	63A	25A		
HJCH8-32/04	32A	12A	24 110 240	
HJCH8-40/04	40A	18A		
HJCH8-63/04	63A	25A		
HJCH8-32/22	32A	12A	24 110 240	
HJCH8-40/22	40A	18A		
HJCH8-63/22	63A	25A		
HJCH8-32/31	32A	12A	24 110 240	
HJCH8-40/31	40A	18A		
HJCH8-63/31	63A	25A		

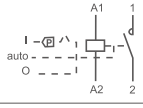
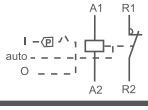
AC 4P,6modules

Contactor Model	Ie Rating	Uc (V AC)(50Hz)	Circuit Diagram
	AC-1		
HJCH8-100/40	100A	24 110 240	
HJCH8-100/04	100A	24 110 240	
HJCH8-100/22	100A	24 110 240	
HJCH8-100/31	100A	24 110 240	

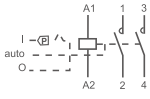
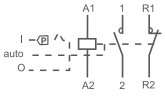
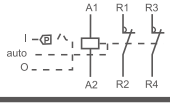
CONTACTOR SERIES

1P 2P 3P 4P

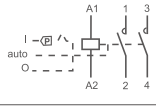
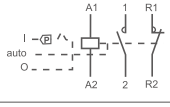
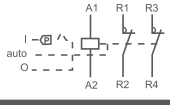
AC 1P,1modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8M-16M/10	16A	6A	24 110 240	
HJCH8M-20 M/10	20A	7A		
HJCH8M-25 M/10	25A	9A		
HJCH8M-16 M/01	16A	6A	24 110 240	
HJCH8M-20 M/01	20A	7A		
HJCH8M-25 M/01	25A	9A		

AC 2P,1modules

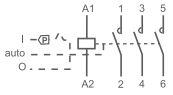
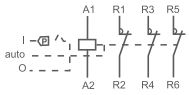
Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8M-16M/20	16A	6A	24 110 240	
HJCH8M-20 M/20	20A	7A		
HJCH8M-25 M/20	25A	9A		
HJCH8M-16 M/11	16A	6A	24 110 240	
HJCH8M-20 M/11	20A	7A		
HJCH8M-25 M/11	25A	9A		
HJCH8M-16 M/02	16A	6A	24 110 240	
HJCH8M-20 M/02	20A	7A		
HJCH8M-25 M/02	25A	9A		

AC 2P,2modules

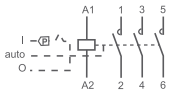
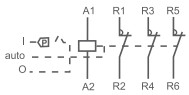
Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8M-32 M/20	32A	12A	24 110 240	
HJCH8M-40 M/20	40A	18A		
HJCH8M-63 M/20	63A	25A		
HJCH8M-32 M/11	32A	12A	24 110 240	
HJCH8M-40 M/11	40A	18A		
HJCH8M-63 M/11	63A	25A		
HJCH8M-32 M/02	32A	12A	24 110 240	
HJCH8M-40 M/02	40A	18A		
HJCH8M-63 M/02	63A	25A		

1P 2P 3P 4P

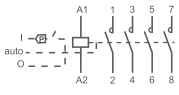
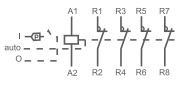
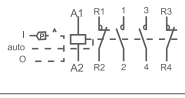
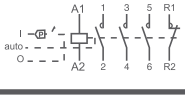
AC 3P,2modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8M-16M/30	16A	6A	24 110 240	
HJCH8M-20 M/30	20A	7A		
HJCH8M-25 M/30	25A	9A		
HJCH8M-16 M/03	16A	6A	24 110 240	
HJCH8M-20 M/03	20A	7A		
HJCH8M-25 M/03	25A	9A		

AC 3P,3modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8M-32M/30	32A	12A	24 110 240	
HJCH8M-40 M/30	40A	18A		
HJCH8M-63 M/30	63A	25A		
HJCH8M-32 M/03	32A	12A	24 110 240	
HJCH8M-40 M/03	40A	18A		
HJCH8M-63 M/03	63A	25A		

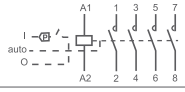
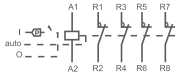
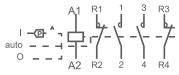
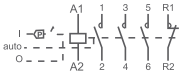
AC 4P,2modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8M-16M/40	16A	6A	24 110 240	
HJCH8M-20 M/40	20A	7A		
HJCH8M-25 M/40	25A	9A		
HJCH8M-16 M/04	16A	]6A	24 110 240	
HJCH8M-20 M/04	20A	7A		
HJCH8M-25 M/04	25A	9A		
HJCH8M-16 M/22	16A	6A	24 110 240	
HJCH8M-20 M/22	20A	7A		
HJCH8M-25 M/22	25A	9A		
HJCH8M-16 M/31	16A	6A	24 110 240	
HJCH8M-20 M/31	20A	7A		
HJCH8M-25 M/31	25A	9A		

CONTACTOR SERIES

1P 2P 3P 4P

AC 4P,3modules

Contactor Model	Ie Rating		Uc (VAC) (50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HJCH8M-32M/40	32A	12A	24	
HJCH8M-40M/40	40A	18A	110	
HJCH8M-63M/40	63A	25A	240	
HJCH8M-32M/04	32A	12A	24	
HJCH8M-40M/04	40A	18A	110	
HJCH8M-63M/04	63A	25A	240	
HJCH8M-32M/22	32A	12A	24	
HJCH8M-40M/22	40A	18A	110	
HJCH8M-63M/22	63A	25A	240	
HJCH8M-32M/31	32A	12A	24	
HJCH8M-40M/31	40A	18A	110	
HJCH8M-63M/31	63A	25A	240	

Modular contactor power consumption

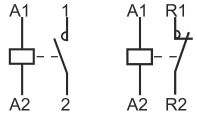
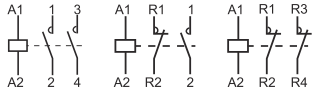
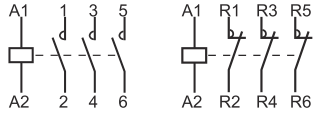
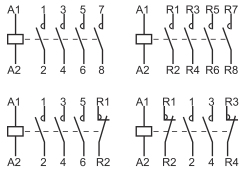
Poles	Ie Rating		Uc (VAC) (50Hz)	Power consumption		Max Power
	AC-7a	AC-7b		Hold on	Pull in	
1P	16A	6A	230	2.99VA	11.5VA	1.2W
	20A	7A	230	2.99VA	11.5VA	1.2W
	25A	9A	230	2.99VA	11.5VA	1.2W
2P	16A	6A	230	2.99VA	11.5VA	1.2W
	20A	7A	230	2.99VA	11.5VA	1.2W
	25A	9A	24	3.05VA	11.5VA	1.3W
			230	2.99VA	11.5VA	1.2W
	32A	12A	230	4.37VA	31.05VA	1.6W
	40A	18A	230	4.37VA	31.05VA	1.6W
	63A	25A	230	4.37VA	31.05VA	1.6W
	100A	-	230	6.5VA	53VA	1.6W
3P	16A	6A	230	4.14VA	31.05VA	2.1W
	20A	7A	230	4.14VA	31.05VA	1.6W
	25A	9A	230	4.14VA	31.05VA	1.6W
	32A	12A	230	7.13VA	48.3VA	1.6W
	40A	18A	230	7.13VA	48.3VA	2.1W
	63A	25A	230	7.13VA	48.3VA	2.1W
4P	16A	6A	230	4.14VA	31.05VA	2.1W
	20A	7A	230	4.14VA	31.05VA	1.6W
	25A	9A	24	4.94VA	32.95VA	1.6W
			230	4.14VA	31.05VA	1.6W
	32A	12A	230	7.13VA	48.3VA	2.1W
	40A	18A	230	7.13VA	48.3VA	2.1W
	63A	25A	230	7.13VA	48.3VA	2.1W
	100A	-	230	13VA	106VA	4.2W

HJCH8c Contact-50/60Hz MODULAR CONTACTOR





Main technical parameters

HJCH8 Contact-50/60Hz					
Type	Rated current		Control voltage (V AV)(50/60Hz)	Contact	Multiple Of The Width Of The Module
	AC-7a	AC-7b			
1P 	16A	6A	24V/48V/110V/230V	1NO 1NC	2
	20A	7A			
	25A	9A			
2P 	16A	6A	24V/48V/110V/230V	2NO 2NC	2
	20A	7A			
	25A	9A			
	32A	12A		1NO1NC	4
	40A	15A			
	63A	20A			
3P 	16A	6A	24V/48V/110V/230V	3NO 3NC	4
	20A	7A			
	25A	9A			
	32A	12A			6
	40A	15A			
	63A	20A			
4P 	16A	6A	24V/48V/110V/230V	4NO 4NC	4
	20A	7A			
	25A	9A			
	32A	12A		2NO2NC	6
	40A	15A			
	63A	20A		3NO1NC	

Wiring								
Type			Rated current	Wire stripping Length	Circuit	Torque	Copper wire	
							Hard wire	Soft wire or hoop wire terminal
								
	HCH8	PZ1:4mm	16-63A	9mm	Control circuit	1.2N • m	1.5~2.5mm:2 X 1.5mm²	1.5~2.5mm:2 X 1.5mm²
			16-25A		Power circuit		1.5~6mm²	1.5~4mm²
		PZ2:6mm	40-63A	14mm		3.5N • m	6~25mm²	6~16mm²
	AS	PZ1:4mm	—	9mm	—	1.2N • m	1.5~2.5mm:2 X 1.5mm²	1.5~2.5mm:2 X 1.5mm²

CONTACTOR SERIES

Main technical parameters

Main Circuit Characteristics			
	Rated operational voltage(Ue)	1P/2P	250V AC
		3P/4P	400V AC
	Frequency		50Hz
Durability			
	Electrical durability		100000
	Maximu number of switching operation a day		100
Additional Characteristic			
	Rated insulation voltage(Ui)		500VAC
	Pollution class		2
	Rated impulse withstand voltage (Uimp)		4kV
	Protection Grade(IEC/EN 60529)	Contactor only	IP20
		Contactor in modular enclosure	IP40
	Operating temperature		-5°C~+60°C (1)
	Storage Temperature		-40°C~+70°C
	Tropicalization(IEC/EN 60068-1)		Treatment 2 (relative humidity 95% at 55°C)
	Certification		CCC/CE
	ELSV compliance(extra low safety voltage) for 12/24/48V AC versions		
	The product control conforms to the SELV(safety extra low voltage)requirments		
	(1(In the case of contactor mounting in a enclosure for which the interior temperature is in range detween 50°C and 60°C.t is necessary to use a spacer between each contactor		

Power Consumption

	Rated current		Control voltage(V AC)(50/60Hz)	Power consumption		Max. Power
				Holding	Actuation	
1P	AC-7a	AC-7b				
2P	25A	9A	230...240	2.7VA	9.2VA	1.2W
	16A	6A	230...240	2.7VA	9.2VA	1.2W
	20A	7A	230...240	2.7VA	9.2VA	1.2W
	25A	9A	24	3.8VA	15VA	1.3W
			230...240	2.7VA	9.2VA	1.2W
			230...240	2.7VA	9.2VA	1.2W

Technical Parameters

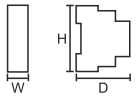
Power Consumption						
	Rated Current		Control voltage(V AC) (50/60Hz)	Power Consumption		Max.Power
	AC-7a	AC-7b		Holding	Actuation	
2P	32A	12A	220...240	4.6VA	34VA	1.6W
	40A	15A	220...240	4.6VA	34VA	1.6W
	63A	20A	220...240	4.6VA	34VA	1.6W
3P	16A	6A	220...240	4.6VA	34VA	1.6W
	20A	7A	220...240	4.6VA	34VA	1.6W
	25A	9A	220...240	4.6VA	34VA	1.6W
	32A	12A	220...240	6.5VA	53VA	2.1W
	40A	15A	220...240	6.5VA	53VA	2.1W
	63A	20A	220...240	6.5VA	53VA	2.1W
4P	16A	6A	220...240	4.6VA	34VA	1.6W
	20A	7A	220...240	4.6VA	34VA	1.6W
	25A	9A	24	4.6VA	34VA	1.6W
			220...240	4.6VA	34VA	1.6W
			24	4.6VA	34VA	1.6W
			220...240	4.6VA	34VA	1.6W
	32A	12A	220...240	6.5VA	53VA	2.1W
	40A	15A	220...240	6.5VA	53VA	2.1W
	63A	20A	220...240	6.5VA	53VA	2.1W

Dimensions		HJCH8-16A/20A/25A		HJCH8-32A/40A/63A	
		2P	4P	2P	4P
W H D	W(mm)	18	36	36	54
	D(mm)	68	68	68	68
	H(mm)	81	81	85	85

Accessories

This attachment is used to indicate the "on" or "off" state of the contactor's main contact

Dimensions

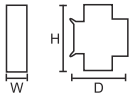


W(mm)	9
D(mm)	68
H(mm)	81

Accessories

It is used to install on both sides of the contactor,which is good for the heat dissipation of the contactor.

Dimensions



W(mm)	9
D(mm)	68
H(mm)	85

Contactor Selection Table

Product Name	Current Specification	Main contact	Coil Frequency	Reference
HCH8	16	10	AC230	HCH81610AC230
	16:16A 20:20A 25:25A 32:32A 40:40A 63:63A	10:1NO 01:1NC 20:2NO 02:2NC 11:1NO1NC 30:3NO 03:3NC 31:3NO1NC 22:2NO2NC 40:4NO 04:4NC	AC230V AC110V AC48V AC24V	

2P 4P

Applicable scope

VIR series impulse relay coils are triggered by impulses and the contacts are closed. The product has two stable mechanical positions, and the contacts will open temporarily with the next impulse. Each received impulse will reverse the position of the contact and can be controlled by an unlimited number of buttons. And has the characteristics of zero power consumption. Impulse relay can be used to control the lighting circuit through the button. The circuit consists of incandescent lamps, halogen lamps, etc. (resistive load); fluorescent lamps, discharge lamps, etc. (inductive load).
Conform to standard: IEC/EN 60669-2-1,IEC/EN 60669-2-2.

Type and Meaning

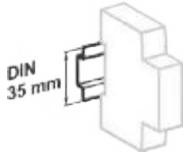
VIR - □ □ / □ □ □

- Coil voltage
- Normal Close
- Normal Open
- Current

(eg.BIR-16/10 DC12V , It is16A , 1NO , 12V DC current coil voltage

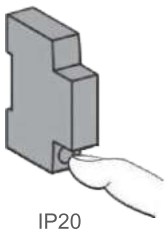
Main parameter and technical performance

Control circuit		
Dissipated power (during the impulse)		19 VA
Illuminated PB control		Max. current 3 mA (if > use an ATLz)
Operating threshold		Min. 85 % of Un
Duration of the control order		50 ms to 1 s (200 ms recommended)
Response time		50ms
Power circuit		
Voltage rating(Ue)	1P, 2P	250V AC
Frequenc		50/60Hz
Maximum number of operations per minute		5
Maximum number of switching operation a day		100
Endurance		200,000 cycles (AC21)
		100,000 cycles (AC22)
Overvoltage category		IV
Insulation voltage(Ui)		440 V AC
Pollution degree		3
Rated impulse withstand voltage(Uimp)		6kV
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular	IP40 (Insulation class II)
Operating temperature		-5℃~+60℃
Storage temperature		-40℃~+70℃
Tropicalization(IEC 60068.1)		Treatment 2 (relative humidity 95 % at 55℃

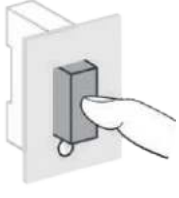


Clip on DIN rail 35 mm.

Indifferent position of installation.



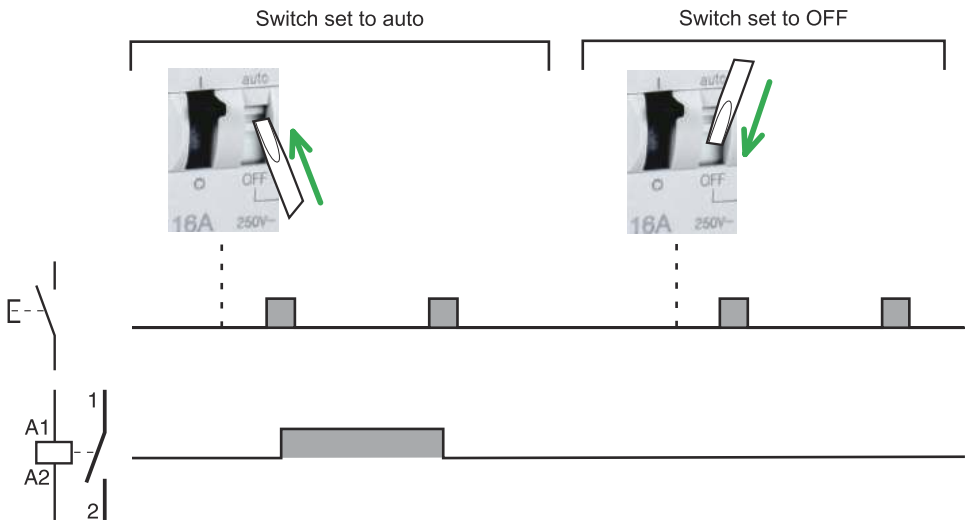
IP20



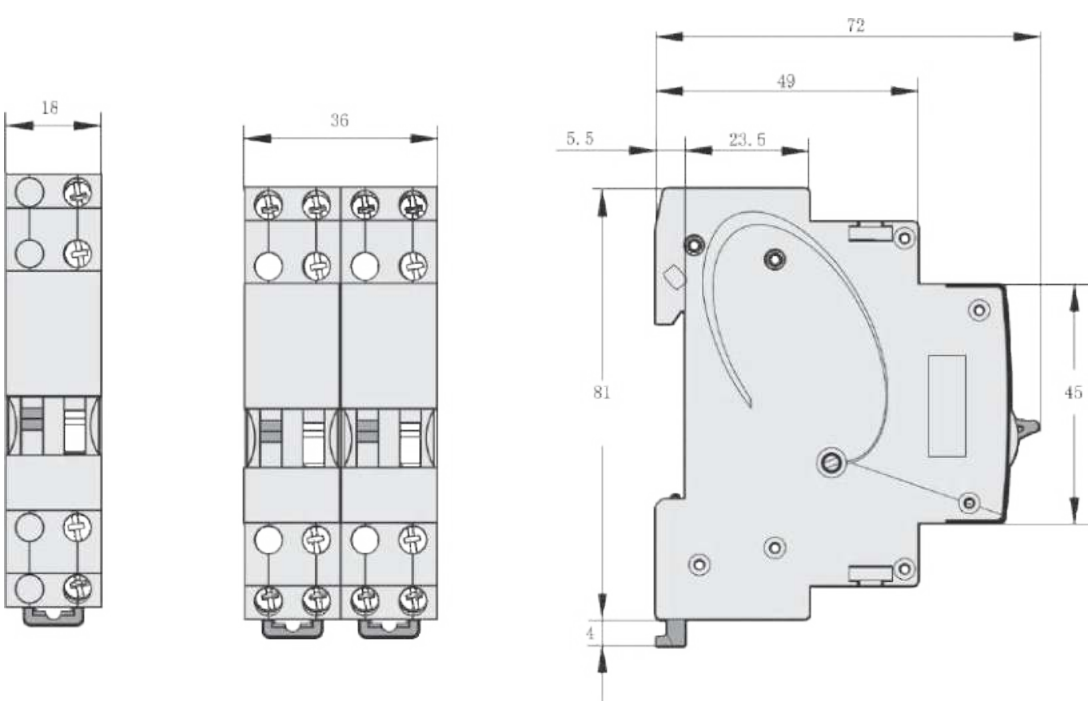
IP40

CONTACTOR SERIES

Operation(Impluse relay)



Overall & Installation Dimensions



SGPI Series

- SGPI
- SGC40
- SGC125

1P 2P 3P 4P

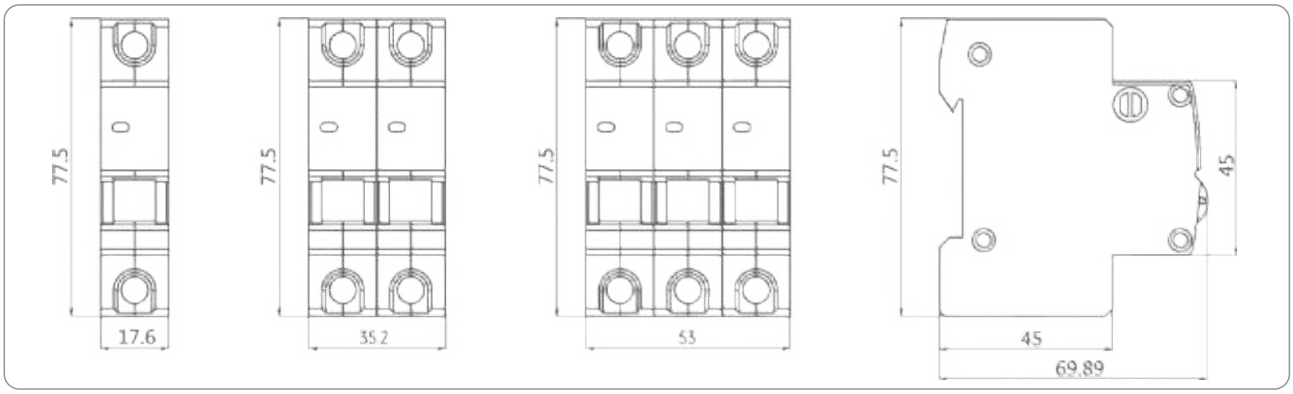
Specification and Feature

- ON and OFF indicator
- Conform to standard IEC60947-3
- The position ON/OFF handle correspond to the state of the contacts
- Fast installation and removal

Technical Data

Pole No	1, 2, 3, 4
Standard	IEC60947-3
Rated Current of Structure Design	32A
Voltage and Frequency	230/240V~, 50/60Hz
Rated Current	100A
Insulation voltage Ui	500V
Rated short circuit making capacity	20Ie, t=0.1s
Electrical life	1500
Mechanical life	8500
Pollution degree	2
Terminal connection type	Cable busbar
Tightening torque	3.5Nm
Rated shot-time withstand current Icw	12Ie 1s
Uilization category	AC-22A
Protection Grade	IP20

Overall & Installation Dimensions



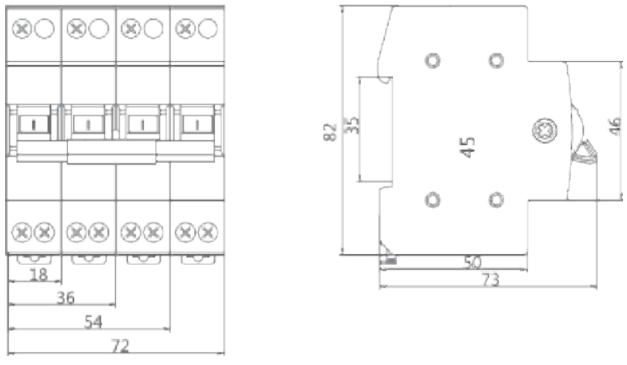
Specification and Feature

- ON and OFF indicator
- Conform to standard IEC60947-3
- The position ON/OFF handle correspond to the state of the contacts
- Fast installation and removal

Technical Data

Pole No	1, 2, 3, 4
Standard	IEC60947-3
Rated Current of Structure Design	32A
Voltage and Frequency	230/240V~, 50/60Hz
Rated Current	40A
Insulation voltage Ui	500V
Rated short circuit making capacity	20Ie, t=0.1s
Electrical life	1500
Mechanical life	8500
Pollution degree	2
Terminal connection type	Cable busbar
Tightening torque	3.5Nm
Rated shot-time withstand current Icw	12Ie 1s
Uilization category	AC-22A
Protection Grade	IP20

Overall & Installation Dimensions



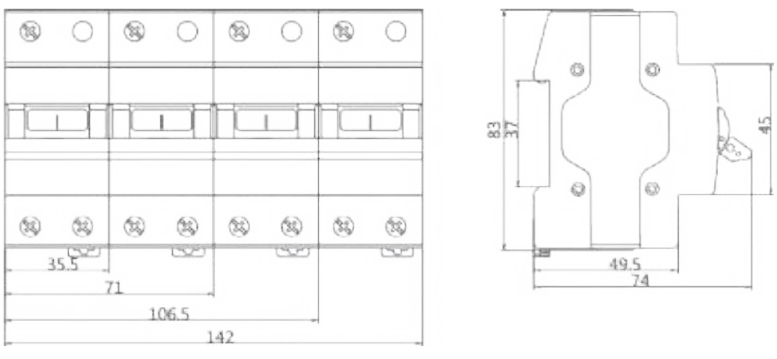
Specification and Feature

- ON and OFF indicator
- Conform to standard IEC60947-3
- The position ON/OFF handle correspond to the state of the contacts
- Fast installation and removal

Technical Data

Pole No	1, 2, 3, 4
Standard	IEC60947-3
Rated Current of Structure Design	32A
Voltage and Frequency	230/240V~, 50/60Hz
Rated Current	63-125A
Insulation voltage Ui	500V
Rated short circuit making capacity	20Ie, t=0.1s
Electrical life	1500
Mechanical life	8500
Pollution degree	2
Terminal connection type	Cable busbar
Tightening torque	3.5Nm
Rated shot-time withstand current Icw	12Ie 1s
Uilization category	AC-22A
Protection Grade	IP20

Overall & Installation Dimensions



VECAS Electrical
WENZHOU HUAJIA
ELECTRICAL EQUIPMENT CO., LTD.

DISTRIBUTION BOX Series

- HA 097
- HK 098
- HT 099
- HC 100
- TSM 101
- TSW 102
- 1506/1512/1524 103
- FG4 104
- RA 105
- RT 106
- CT 107

HA-4ways

HA-8ways

HA-12ways

Specification and Feature

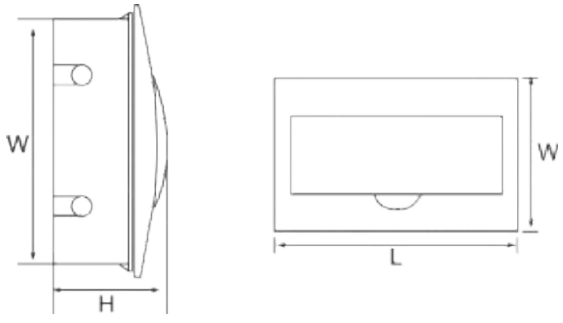
- HA series plastic illumination box modulus terminal composite apparatus,it serves to control and distribute the power consumption equipment protect the circuit against overload,short circuit or creep age.It widely applies to the moden building locations.

- Rated Voltage/Rated Cuttent:690V/50Hz
- Material: Cover- PC, Body -ABS
- Color:RAL7035
- IP65 protection degree
- CE Certified
- Din rail connection
- Supplied with removable earth/neutral bar

Technical Specification

Specification	Dimension(LxWxH)
HA-4WAYS	140x210x100mm
HA-8WAYS	215x210x100mm
HA-12WAYS	295x260x140mm
HA-18WAYS	410x285x140mm
HA-24WAYS	295x420x140mm
HA-36WAYS	330x610x145mm
HA-54WAYS	440x610x145mm

Overall & Installation Dimensions



HK-5ways

HK-8ways

HK-12ways

Specification and Feature

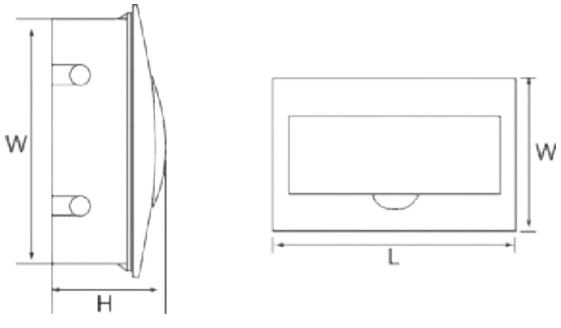
- HK series plastic illumination box modulus terminal composite apparatus,it serves to control and distribute the power consumption equipment protect the circuit against overload,short circuit or creep age. It widely applies to the moden building locations.

- Rated Voltage/Rated Cuttent:690V/50Hz
- Material: Cover- PC, Body -ABS
- Color:RAL7035
- IP 55 protection degree
- CE Certified
- Din rail connection
- Supplied with removable earth/neutral bar

Technical Specification

Specification	Dimension(LxWxH)
HK-5WAYS	140x140x100mm
HK-8WAYS	195x195x103mm
HK-12WAYS	270x195x103mm
HK-18WAYS	375x195x103mm

Overall & Installation Dimensions



HT-5ways

HT-8ways

HT-12ways

Specification and Feature

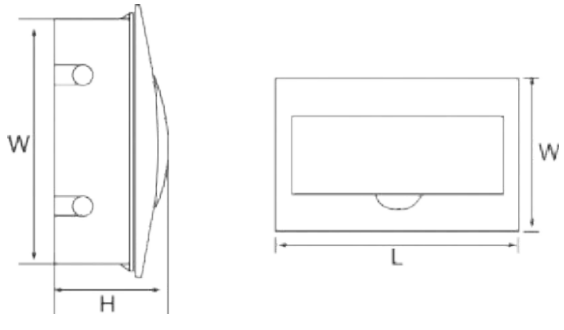
- HT series plastic illumination box modulus terminal composite apparatus,it serves to control and distribute the power consumption equipment protect the circuit against overload,short circuit or creep age. It widely applies to the moden building locations.

- Rated Voltage/Rated Cuttent:690V/50Hz
- Material: Cover- PC, Body -ABS
- Color:RAL7035
- IP 55,IP65 protection degree
- CE Certified
- Din rail connection
- Supplied with removable earth/neutral bar

Technical Specification

Specification	Dimension(LxWxH)
HT-5WAYS	120x160x90mm
HT-8WAYS	200x155x93mm
HT-12WAYS	253x197x108mm
HT-15WAYS	310x198x108mm
HT-18WAYS	365x198x108mm
HT-24WAYS	275x355x108mm

Overall & Installation Dimensions



HC-5ways

HC-8ways

HC-12ways

Specification and Feature

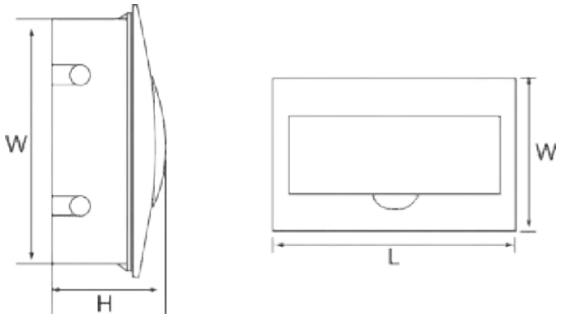
- HC series plastic illumination box modulus terminal composite apparatus,it serves to control and distribute the power consumption equipment protect the circuit against overload,short circuit or creep age. It widely applies to the moden building locations.

- Rated Voltage/Rated Cuttent:690V/50Hz
- Material: Cover- PC, Body -ABS
- Color:RAL7035
- IP 65 protection degree
- CE Certified
- Din rail connection
- Supplied with removable earth/neutral bar

Technical Specification

Specification	Dimension(LxWxH)
HC-5WAYS	158x157x108mm
HC-8WAYS	210x174x108mm
HC-12WAYS	285x174x108mm
HC-18WAYS	285x350x108mm

Overall & Installation Dimensions



TSM-3ways

TSM-12ways

TSM-24ways

Specification and Feature

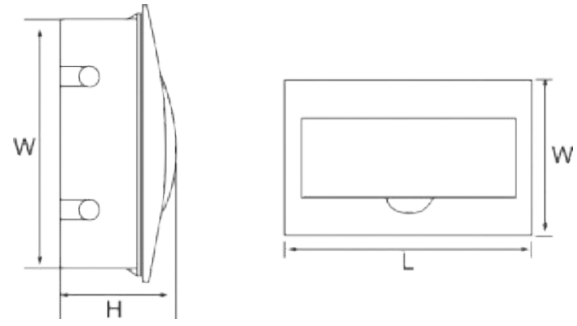
- The distribution box is suitable for mounting of modular electric installation devices with maximum current up to 125A. the product, available with neutral and earth terminal block, Din rail function label is widely used in low voltage distribution networks for power supplying of consumers and commercial buildings.

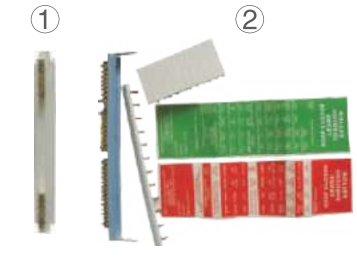
- Rated Voltage/Rated Cuttent:690V/50Hz
- Material: Cover- PC, Body -ABS
- Color:White
- IP 40 protection degree
- CE Certified
- Din rail connection
- Supplied with removable earth/neutral bar

Technical Specification

Specification	Dimension(LxWxH)
TSM-3WAYS	95x150x60mm
TSM-4WAYS	136x221x90mm
TSM-6WAYS	172x221x90mm
TSM-8WAYS	208x221x90mm
TSM-10WAYS	246x221x90mm
TSM-12WAYS	278x221x90mm
TSM-15WAYS	334x221x90mm
TSM-18WAYS	398x251x100mm
TSM-24WAYS	300x350x100mm
TSM-36WAYS	300x482x100mm
TSM-45WAYS	365x505x110mm

Overall & Installation Dimensions





Ordinary Australian Standard

TSW-6ways

TSW-12ways

TSW-24ways

Specification and Feature

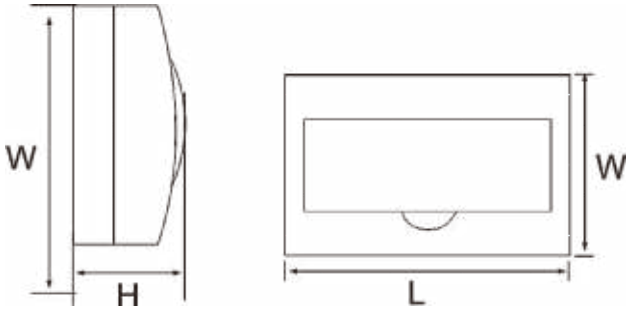
- The distribution box is suitable for mounting of modular electric installation devices with maximum current up to 125A. the product, available with neutral and earth terminal block, Din rail function label is widely used in low voltage distribution networks for power supplying of consumers and commercial buildings.

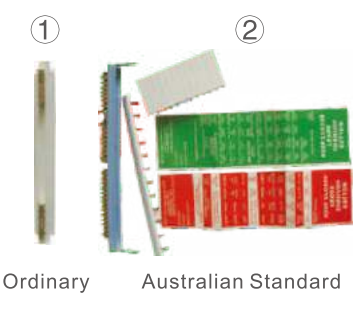
- Rated Voltage/Rated Cuttent:690V/50Hz
- Material: Cover- PC, Body -ABS
- Color:White
- IP 40 protection degree
- CE Certified
- Din rail connection
- Supplied with removable earth/neutral bar

Technical Specification

Specification	Dimension(LxWxH)
TSW-3WAYS	95x150x60mm
TSW-4WAYS	112x200x95mm
TSW-6WAYS	148x200x95mm
TSW-8WAYS	184x200x95mm
TSW-10WAYS	222x200x95mm
TSW-12WAYS	256x200x95mm
TSW-15WAYS	312x200x95mm
TSW-18WAYS	360x2220x100mm
TSW-24WAYS	270x328x100mm
TSW-36WAYS	270x460x100mm
TSW-45WAYS	325x470x100mm

Overall & Installation Dimensions





1506

1512

1524

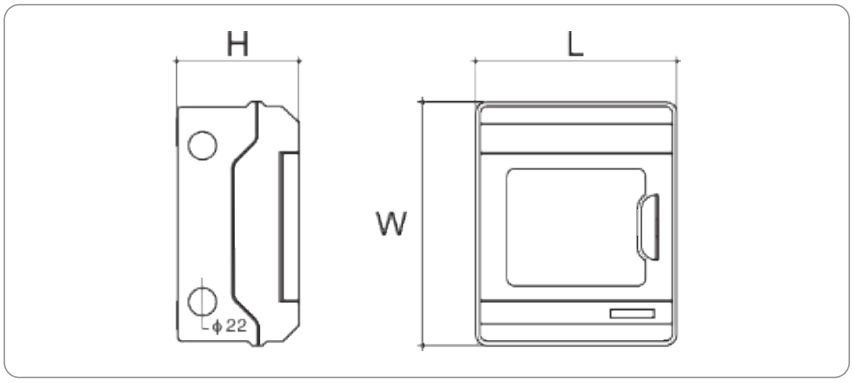
Specification and Feature

- It is applicable for special waterproof, dustproof and corrosion-proof locations
- Executive standard: EN 60670-1
- Rated Voltage/Rated Cuttent:690V/50Hz
- Material: PC+ABS
- Color:White
- IP 65 protection degree
- CE Certified
- Din rail connection
- Supplied with removable earth/neutral bar

Technical Specification

Specification	Dimension(LxWxH)
1504	107x212x92mm
1506	165x200x100mm
1509	219x200x100mm
1512	273x230x110mm
1518	381x230x110mm
1524	273x380x110mm
1536	381x380x110mm

Overall & Installation Dimensions



FG4 Series Transparent Safety Protect Cover

Owing the characteristics like, corrosion-proof, dustproof, waterproof, anti-ageing, high mechanical intensity, anti-static and easy to dismantle and maintain, etc.

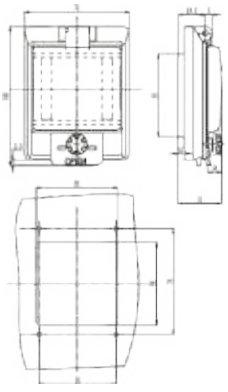
The base without protection is availa le

Product appurtenance

Order Code: 0400

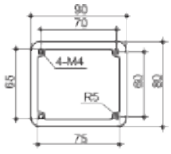
Overall & Installation Dimensions

Outline dimension, mounting hole and hole position diagram of FG4-2 window product

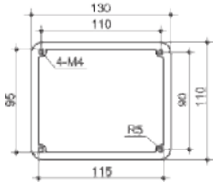


Order Code: 0403

Transparent window of distribution box

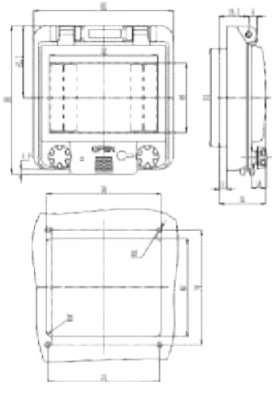


Order Code: 0908



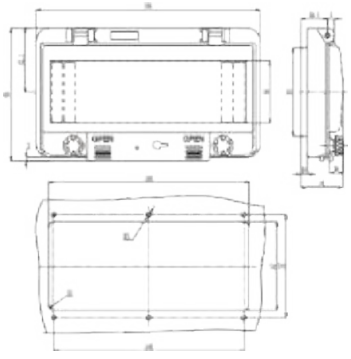
Order Code: 1311

Outline dimension, mounting hole and hole position diagram of FG4-4 window product



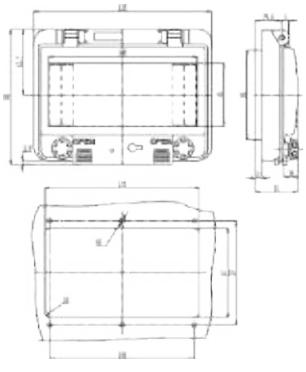
Order Code: 0404

Outline dimension, mounting hole and hole position diagram of FG4-8 window product



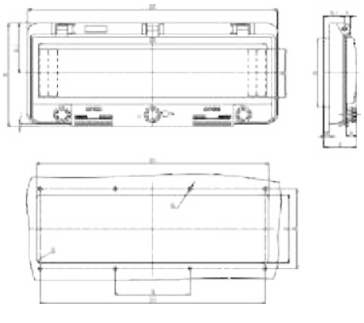
Order Code: 0408

Outline dimension, mounting hole and hole position diagram of FG4-6 window product



Order Code: 0406

Outline dimension, mounting hole and hole position diagram of FG4-12 window product



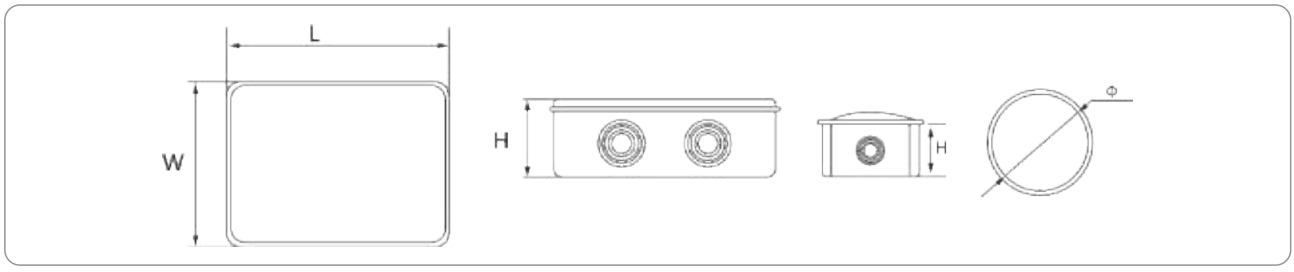
Order Code: 0412



- **Body materiaT:** ABS
- **Stopper material:** PVC
- **Material characteristics:** Impact, heat, low temperature and chemical resistance,excellent electrical performance and surface gloss, etc
- **Certificates:** CE, ROHS
- **Application:** Suitable for indoor and outdoor electric, communication, fire fighting apparatus, iron and steel smelting, petrochemical industry. electron, power system,railway, building, mine, air and sea port, hotel, ship, works, waste water treatment equipment, environmental equipment and so on.
- **Installation:** 1,Inside:There are the installation holes in the base for circuit boardor din rail, 2 ,Outside: The products can be directiy fixed on the Wall or other flat boards withscrews or nails via the screw holes in the base.
- **Outlet hole:** Cutting a hole in the PVC stopper as related cable size or installingcable gland to get better waterproof performance.

Model Code	Overall dimensions(mm) L	W	H	Hole Qty	Hole Size (mm)	G.Weight (KG)	N.Weight (KG)	Qty/Carton	Carton Dimenstion (cm)	IP
A 50 x 50		50	50	4	25	14	12.9	300	45.5x38x51	55
A 80 x 50		80	50	4	25	14.7	13.4	240	53x35x65	55
A 85 x 85 x 50	85	85	50	7	25	18	16.6	200	52x41x52.5	55
A 100 x 100 x 70	100	100	70	7	25	16.3	14.7	100	61x49x34.5	65
A 150 x 110 x 70	150	110	70	10	25	15.7	14.2	60	66.5x34.5x46	65
A 150 x 150 x 70	150	150	70	8	25	16.1	14.3	60	84.5x34x45	65
A 200 x 100 x 70	200	100	70	8	25	16.6	15.3	60	61x46x42	65
A 200 x 155 x 80	200	155	80	10	36	15.5	13.9	40	69.5x43.5x41	65
A 200 x 200 x 80	200	200	80	12	36	19.9	17.9	40	45.5x45.5x78	65
A 255 x 200 x 80	255	200	80	12	36	22.8	21	40	55x44x79.2	65
A 255 x 200 x 120	255	200	120	12	36	21.9	20.1	30	64x55x62	65
A 300 x 250 x 120	300	250	120	12	36	22.4	19.9	20	64x55x61.5	65
A 400 x 350 x 120	400	350	120	16	36	14.8	13.3	10	74.5x42.5x61.5	65

Overall & Installation Dimensions

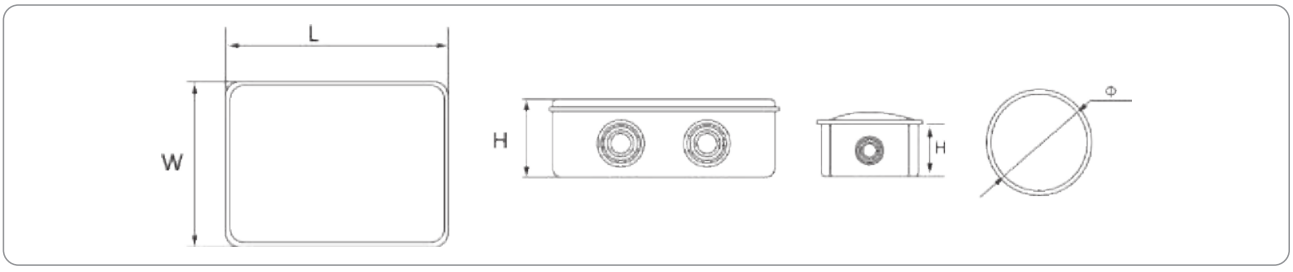




- **Body materiaT:** ABS
- **Stopper material:** PVC
- **Material characteristics:** Impact, heat, low temperature and chemical resistance,excellent electrical performance and surface gloss, etc
- **Certificates:** CE, ROHS
- **Application:** Suitable for indoor and outdoor electric, communication, fire fighting apparatus, iron and steel smelting, petrochemical industry. electron, power system,railway, building, mine, air and sea port, hotel, ship, works, waste water treatment equipment, environmental equipment and so on.
- **Installation:** 1,Inside:There are the installation holes in the base for circuit boardor din rail, 2 ,Outside: The products can be directiy fixed on the Wall or other flat boards withscrews or nails via the screw holes in the base.
- **Outlet hole:** Cutting a hole in the PVC stopper as related cable size or installingcable gland to get better waterproof performance.

Model Code	Overall dimensions(mm) L	W	H	Hole Qty	Hole Size (mm)	G.Weight (KG)	N.Weight (KG)	Qty/Carton	Carton Dimenstion (cm)	IP
T 50 x 50		50	50	4	25	12.9	11.7	300	45.5x37.5x51	55
T 80 x 50		80	50	4	25	13.1	11.8	240	53x35x62	55
T 85 x 85 x 50	85	85	50	7	25	15.6	14.4	200	45x37x53	55
T 100 x100 x 70	100	100	70	7	25	14	12.5	100	57x46x35	65
T 150 x 110 x 70	150	110	70	10	25	13.6	12.3	60	62x31.5x46	65
T 150 x 150 x 70	150	150	70	8	25	14.4	12.9	60	79.5x31.5x46	65
T 200 x100 x 70	200	100	70	8	25	15.4	13.8	60	57x43x42	65
T 200 x 155 x 80	200	155	80	10	36	13.6	11.9	40	64.5x40.5x41	65
T 200 x 200 x 80	200	200	80	12	36	16	14.4	40	85x43x40.5	65
T 255 x 200 x 80	255	200	80	12	36	20	18	40	51.8x41.2x79.2	65
T 255 x 200 x 120	255	200	120	12	36	19.8	18	30	62x53x62	65
T 300 x 250 x 120	300	250	120	12	36	19.7	17.8	20	61x52x61.5	65
T 400 x 350 x 120	400	350	120	16	36	14.8	13.1	10	72x41x61.5	65

Overall & Installation Dimensions






Application

CT enclo-sure box is designed to be assembled into the distributing box with various control functions according to the type of components, specifi-cations and quantity.

The structure is so tight that can be very perfect. It' s made of cold-rolled steel board or stainless alloy. We can provide a wide range of cabinets for your reference.

Construction

- Body and door manufactured in 1.2/1 .5mm sheet stell.
- Mounting plate with folded edge in 2.0 mm sheet steel
- IP 55/65 protection degree
- Finished with thermosetting epoxypolyester powder coating. Body and door textured finish.
- Mounting plate in smooth finish.

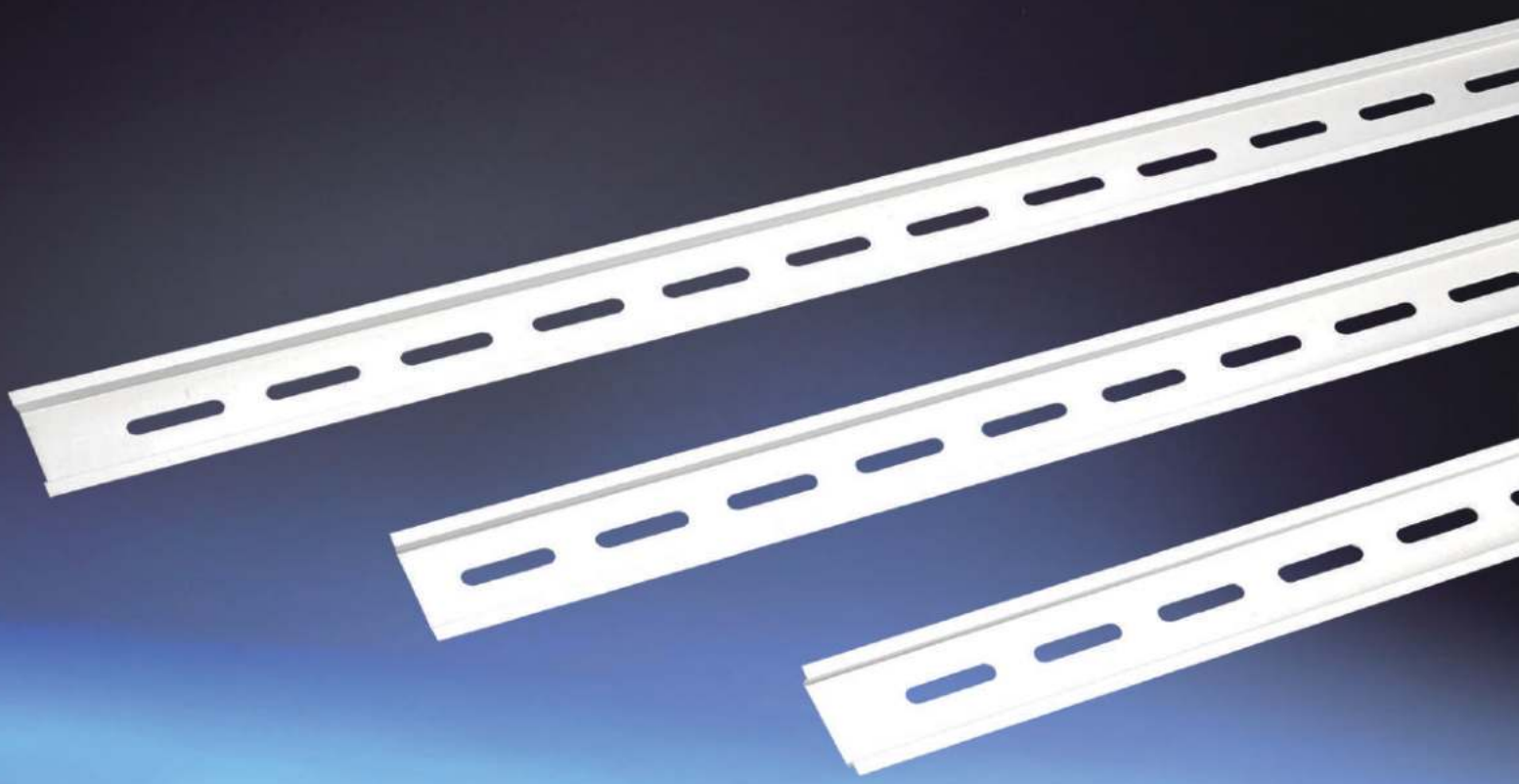
Model	Dimension(mm)		
	A	B	C
CT-2215	200	200	150
CT-2515	250	200	150
CT-2315	300	200	150
CT-2320	300	200	200
CT-3320	300	300	200
CT-3325	300	300	250
CT-3415	400	300	150
CT-3420	400	300	200
CT-3430	400	300	300
CT-4415	400	400	150
CT-4420	400	400	200
CT-4425	400	400	250
CT-4430	400	400	300
CT-3515	500	300	150
CT-3520	500	300	200
CT-3525	500	300	250
CT-3530	500	300	300
CT-4515	500	400	150
CT-4520	500	400	200
CT-4525	500	400	250
CT-4530	500	400	300
CT-5515	500	500	150
CT-5530	500	500	300
CT-4615	600	400	150

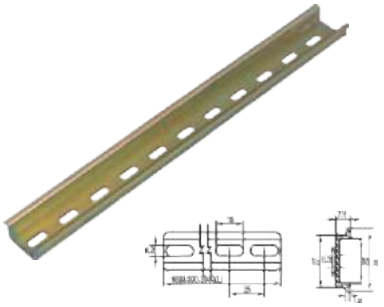
Model	Dimension(mm)		
	A	B	C
CT-4620	600	400	200
CT-4630	600	400	300
CT-5620	600	500	200
CT-6615	600	600	150
CT-6620	600	600	200
CT-5720	700	500	200
CT-5725	700	500	250
CT-6720	700	600	200
CT-6820	800	600	200
CT-8820	800	800	200
CT-8830	800	800	300
CT6-1020	1000	600	200
CT6-1025	1000	600	250
CT6-1030	1000	600	300
CT8-1020	1000	800	200
CT10-1025	1000	1000	250
CT10-1030	1000	1000	300
CT6-1220	1000	600	200
CT8-1220	1000	800	200
CT6-1430	1400	600	300
CT8-1430	1400	800	300
CT8-1630	1600	800	300
CT10-1630	1600	1000	300
CT10-1830	1800	1000	300

VECAS Electrical
WENZHOU HUAJIA
ELECTRICAL EQUIPMENT CO., LTD.

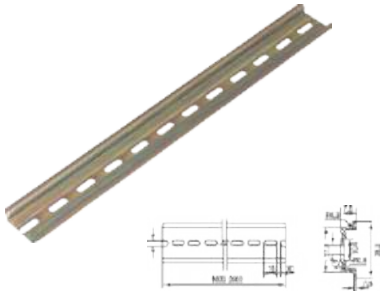
DIR RAILS Series

DIR RAILS 108





HR-8500



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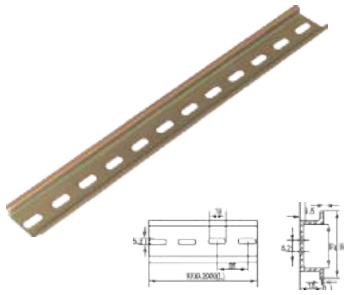

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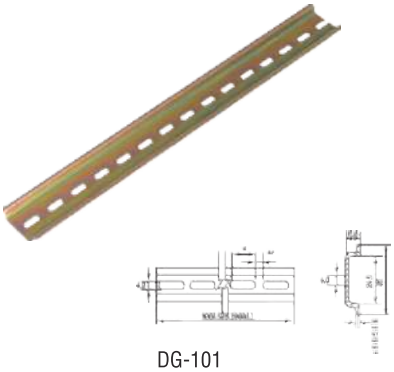
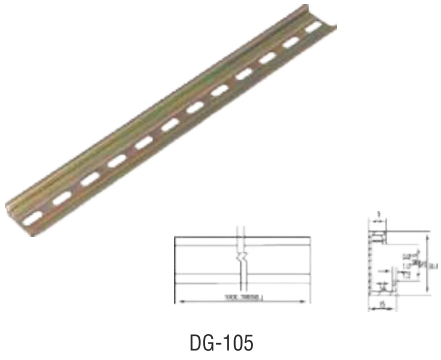
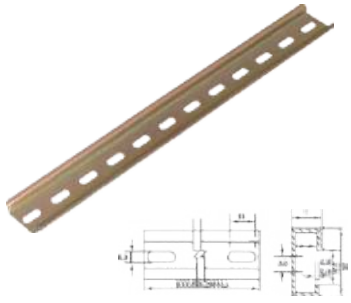


DG-101



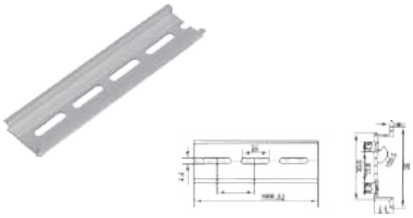
DG-105



DG-103

Technical Data

Material	Thickness(mm)	Width(mm)	Height(mm)	Length(Meter)	Hole
Steel	1.0	35	6.5/7.5/15	1M / 2M	A. 4.2X12 B. 6.2X15 C. 5X25
	1.1	35			
	1.2	35			
	1.50	35			



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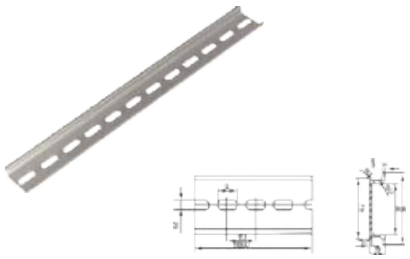

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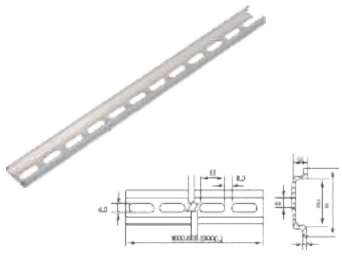

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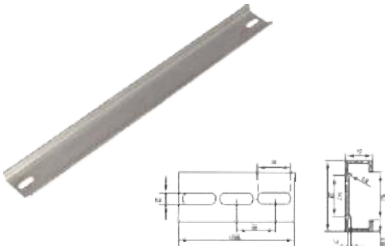
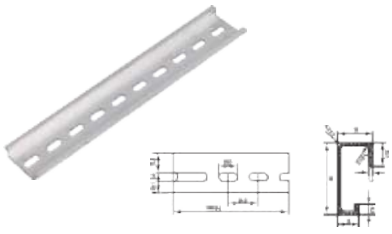
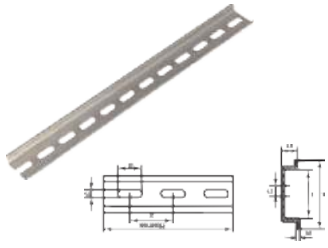


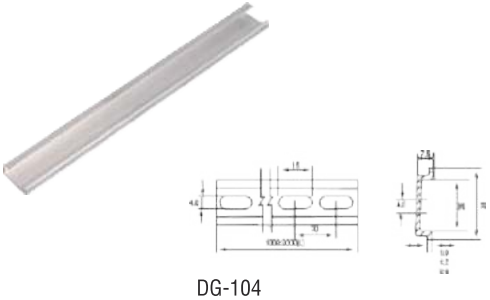
HR-7600



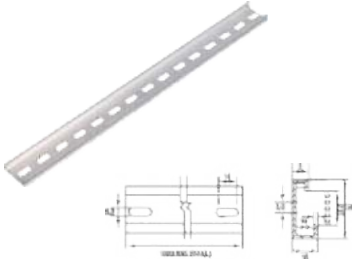
HR-3600



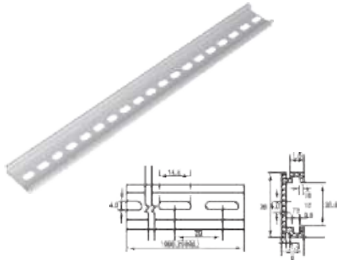
HR-7500



DG-104



DG-102



DG-106

Technical Data

Material	Thickness(mm)	Width(mm)	Height(mm)	Length(Meter)	Hole
Aluminum	1.0	35	6.5/7.5/15	1M / 2M	A. 4.2X12 B. 6.2X15 C. 5X25
	1.1	35			
	1.2	35			
	1.50	35			

VECAS Electrical
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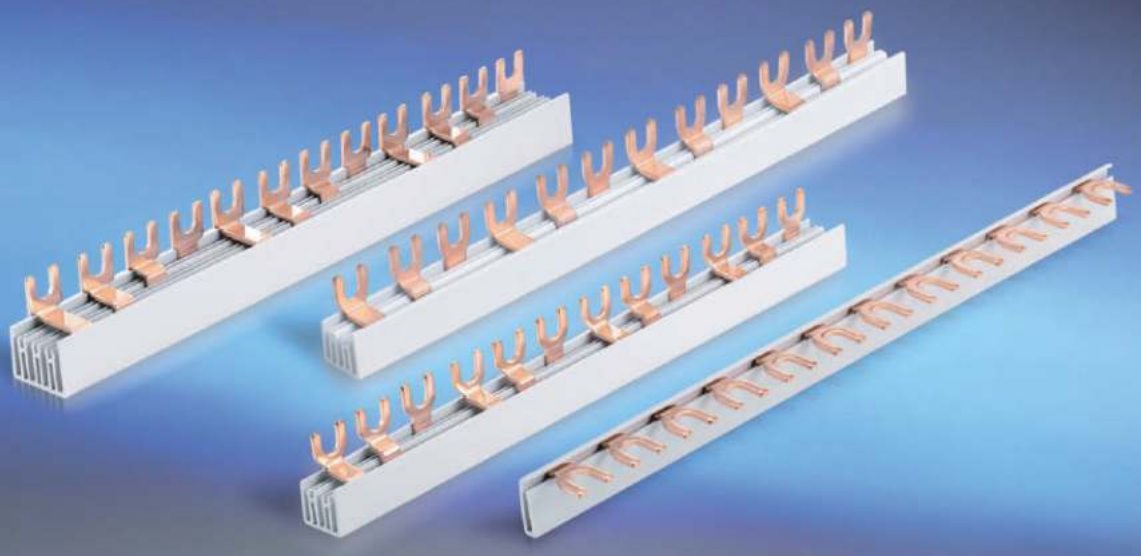
BUSBAR Series

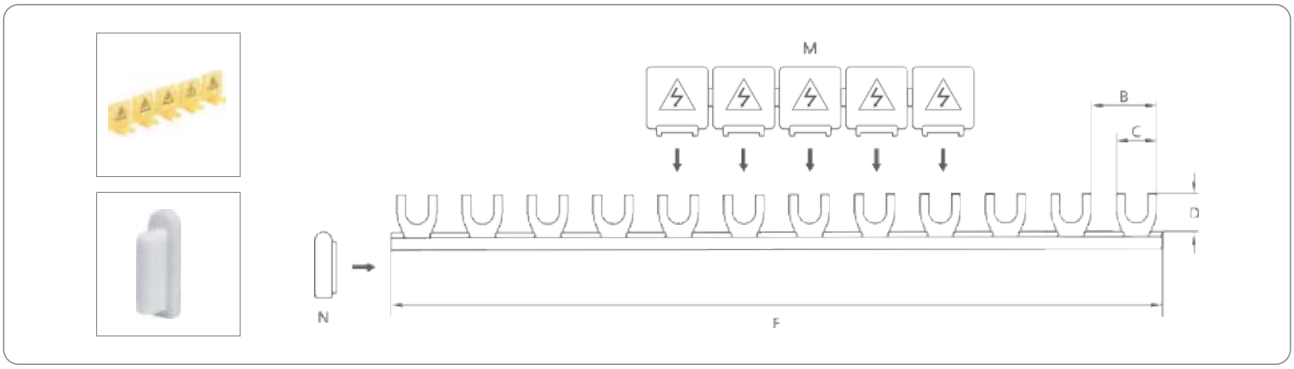
- F-1P 112
- F-2P 113
- F-3P 114
- F-4P 115
- P-1P+N 116
- P-1P 117
- P-2P 118
- P-3P 119

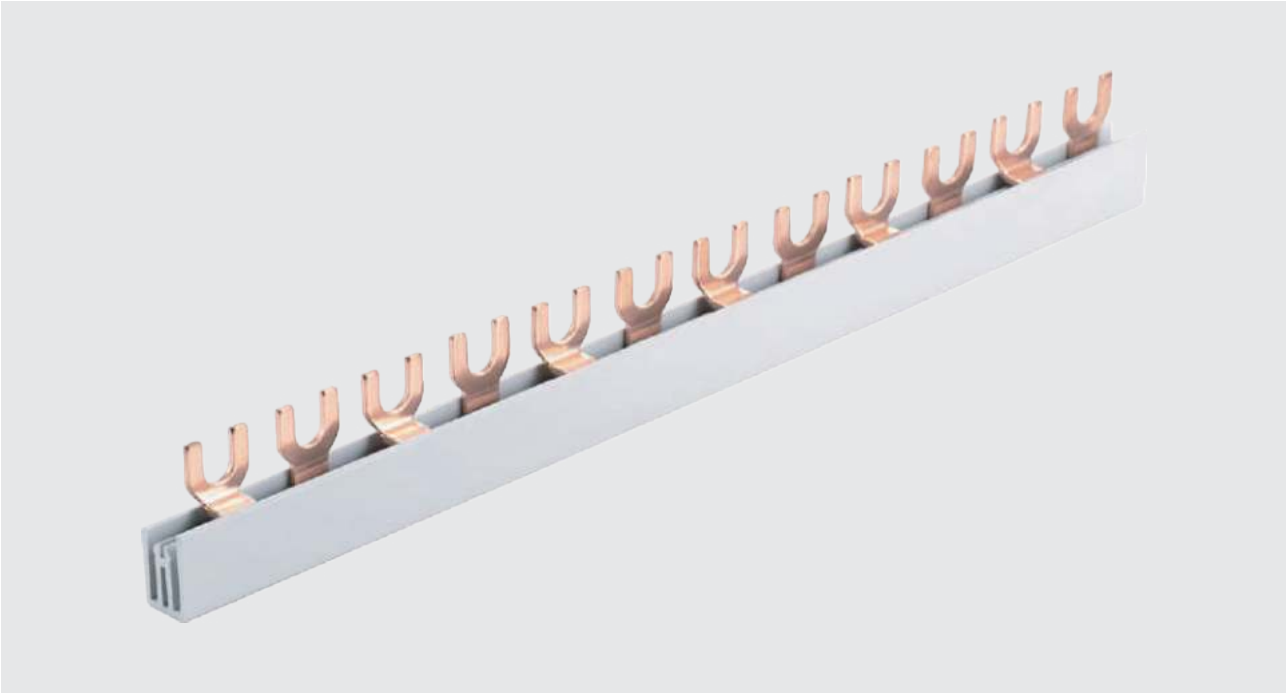


Technical Data

Description	Article No.	A Cross Section	B Distance (mm)	C Width of Pin(mm)	D Length of Pin(mm)	E Modules	F Length (mm)	G Reference Current
F-1L-210/8	HJ11208	8mm²	7.8	12	12	12	210	50A
F-1L-210/10	HJ11210	0mm²	7.8	12	12	12	210	63A
F-1L-210/13	HJ11213	3mm²	7.8	12	12	12	210	70A
F-1L-210/16	HJ11216	6mm²	7.8	12	12	12	210	80A
F-1L-1000/8	HJ15408	8mm²	7.8	12	12	54	1000	50A
F-1L-1000/10	HJ15410	0mm²	7.8	12	12	54	1000	63A
F-1L-1000/13	HJ15413	3mm²	7.8	12	12	54	1000	70A
F-1L-1000/16	HJ15416	6mm²	7.8	12	12	54	1000	80A
F-1L-1016/8	HJ15708	8mm²	7.8	12	12	57	1016	50A
F-1L-1016/10	HJ15710	0mm²	7.8	12	12	57	1016	63A
F-1L-1016/13	HJ15713	3mm²	7.8	12	12	57	1016	70A
F-1L-1016/16	HJ15716	6mm²	7.8	12	12	57	1016	80A

Overall & Installation Dimensions

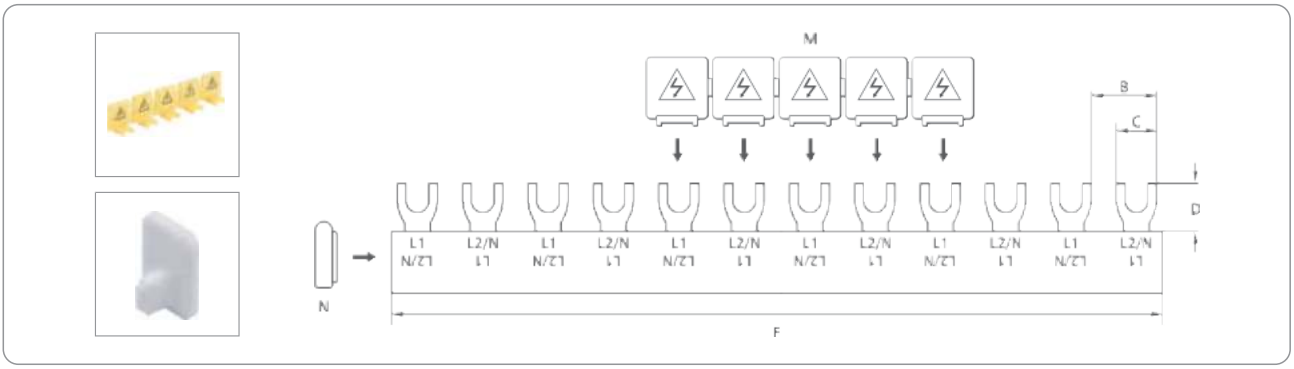


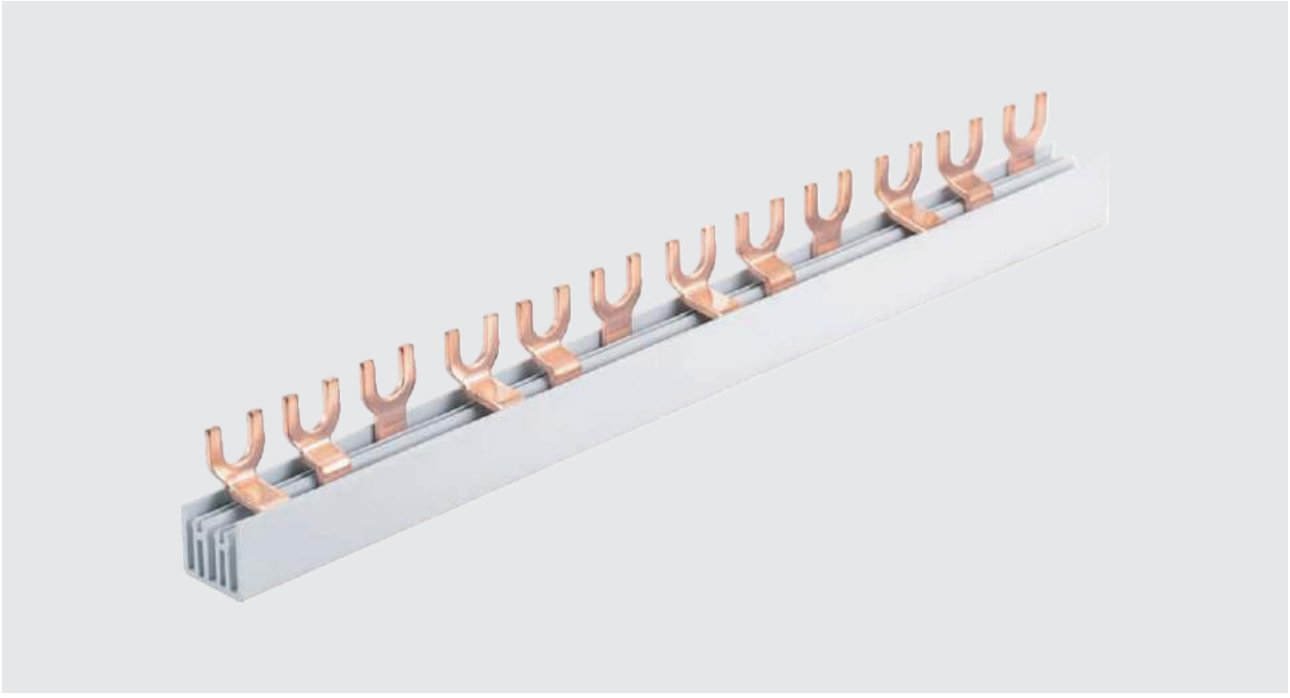


Technical Data

Description	Article No.	A Cross Section	B Distance (mm)	C Width of Pin(mm)	D Length of Pin(mm)	E Modules	F Length (mm)	G Reference Current
F-2L-210/8	HJ21208	8mm²	17.8	12	12	12	210	50A
F-2L-210/10	HJ21210	10mm²	17.8	12	12	12	210	63A
F-2L-210/13	HJ21213	13mm²	17.8	12	12	12	210	70A
F-2L-210/16	HJ21216	16mm²	17.8	12	12	12	210	80A
F-2L-1000/8	HJ25408	8mm²	17.8	12	12	54	1000	50A
F-2L-1000/10	HJ25410	10mm²	17.8	12	12	54	1000	63A
F-2L-1000/13	HJ25413	13mm²	17.8	12	12	54	1000	70A
F-2L-1000/16	HJ25416	16mm²	17.8	12	12	54	1000	80A
F-2L-1016/8	HJ25608	8mm²	17.8	12	12	56	1016	50A
F-2L-1016/10	HJ25610	10mm²	17.8	12	12	56	1016	63A
F-2L-1016/13	HJ25613	13mm²	17.8	12	12	56	1016	70A
F-2L-1016/16	HJ25616	16mm²	17.8	12	12	56	1016	80A

Overall & Installation Dimensions

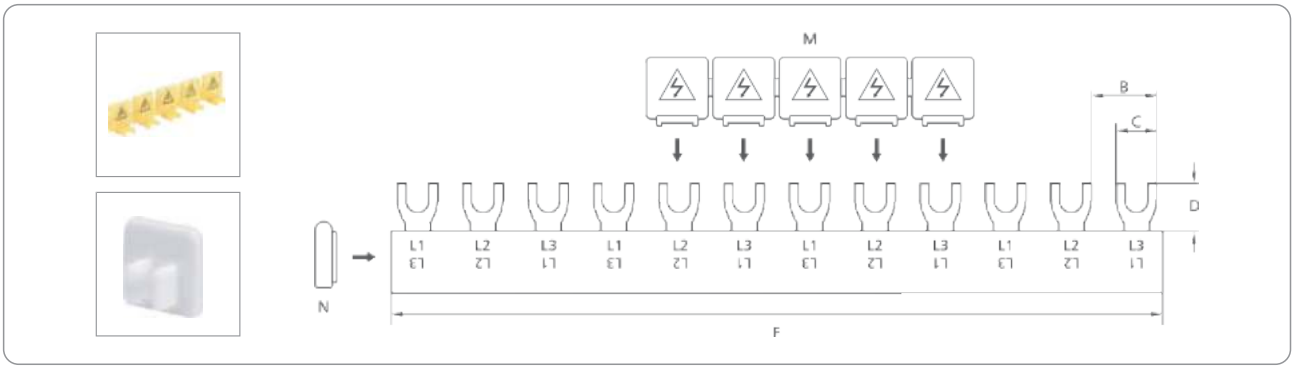


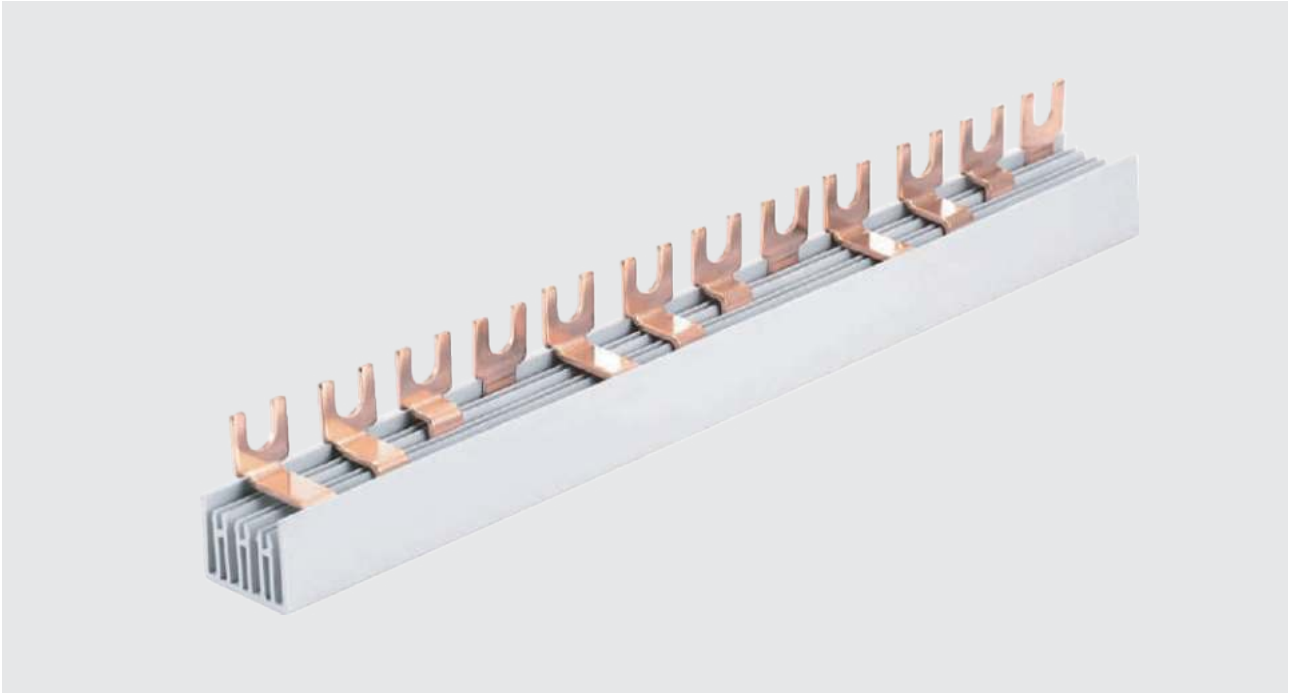


Technical Data

Description	Article No.	A Cross Section	B Distance (mm)	C Width of Pin(mm)	D Length of Pin(mm)	E Modules	F Length (mm)	G Reference Current
F-3L-210/8	HJ31208	8mm²	17.8	12	12	12	210	50A
F-3L-210/10	HJ31210	10mm²	17.8	12	12	12	210	63A
F-3L-210/13	HJ31213	13mm²	17.8	12	12	12	210	70A
F-3L-210/16	HJ31216	16mm²	17.8	12	12	12	210	80A
F-3L-1000/8	HJ35408	8mm²	17.8	12	12	54	1000	50A
F-3L-1000/10	HJ35410	10mm²	17.8	12	12	54	1000	63A
F-3L-1000/13	HJ35413	13mm²	17.8	12	12	54	1000	70A
F-3L-1000/16	HJ35416	16mm²	17.8	12	12	54	1000	80A
F-3L-1016/8	HJ35708	8mm²	17.8	12	12	57	1016	50A
F-3L-1016/10	HJ35710	10mm²	17.8	12	12	57	1016	63A
F-3L-1016/13	HJ35713	13mm²	17.8	12	12	57	1016	70A
F-3L-1016/16	HJ35716	16mm²	17.8	12	12	57	1016	80A

Overall & Installation Dimensions

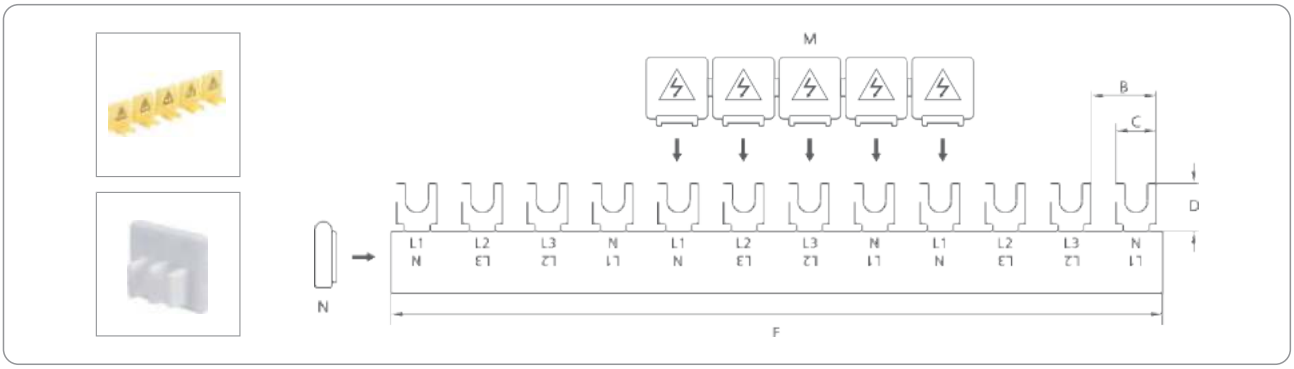


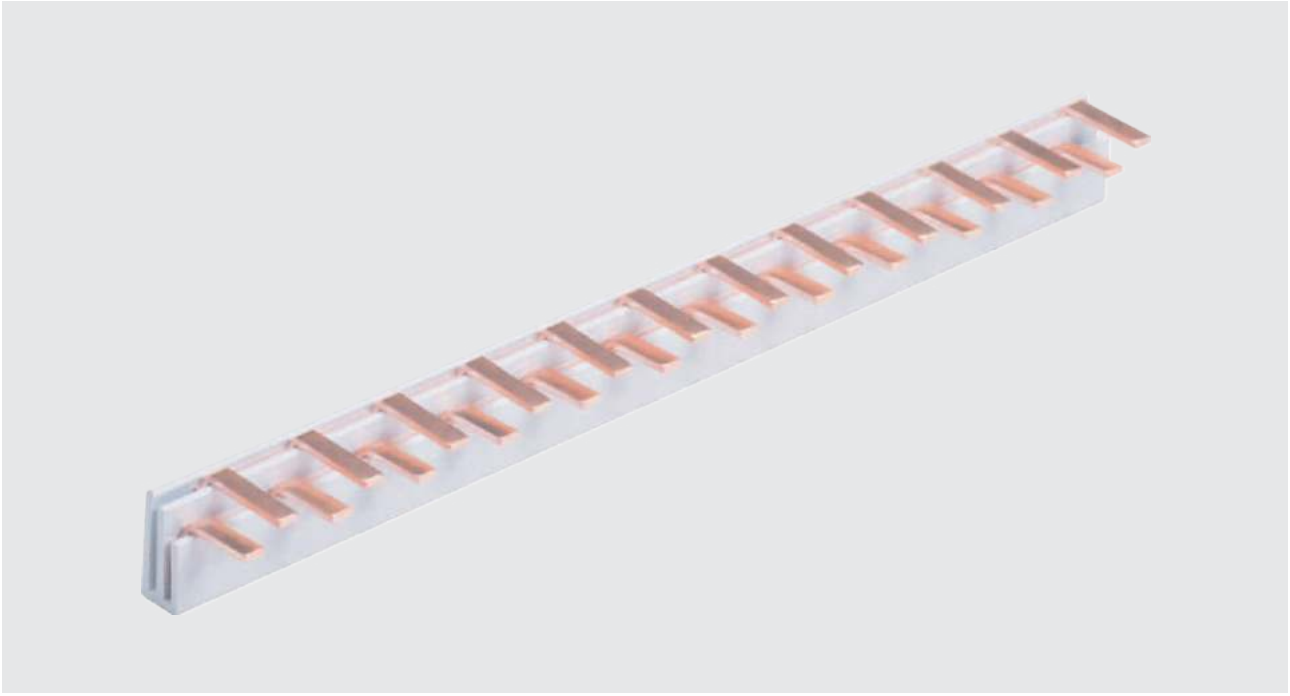


Technical Data

Description	Article No.	A Cross Section	B Distance (mm)	C Width of Pin(mm)	D Length of Pin(mm)	E Modules	F Length (mm)	G Reference Current
F-4L-210/8	HJ41208	8mm²	17.8	12	12	12	210	50A
F-4L-210/10	HJ41210	10mm²	17.8	12	12	12	210	63A
F-4L-210/13	HJ41213	13mm²	17.8	12	12	12	210	70A
F-4L-210/16	HJ41216	16mm²	17.8	12	12	12	210	80A
F-4L-1016/8	HJ45608	8mm²	17.8	12	12	56	1016	50A
F-4L-1016/10	HJ45610	10mm²	17.8	12	12	56	1016	63A
F-4L-1016/13	HJ45613	13mm²	17.8	12	12	56	1016	70A
F-4L-1016/16	HJ45616	16mm²	17.8	12	12	56	1016	80A

Overall & Installation Dimensions

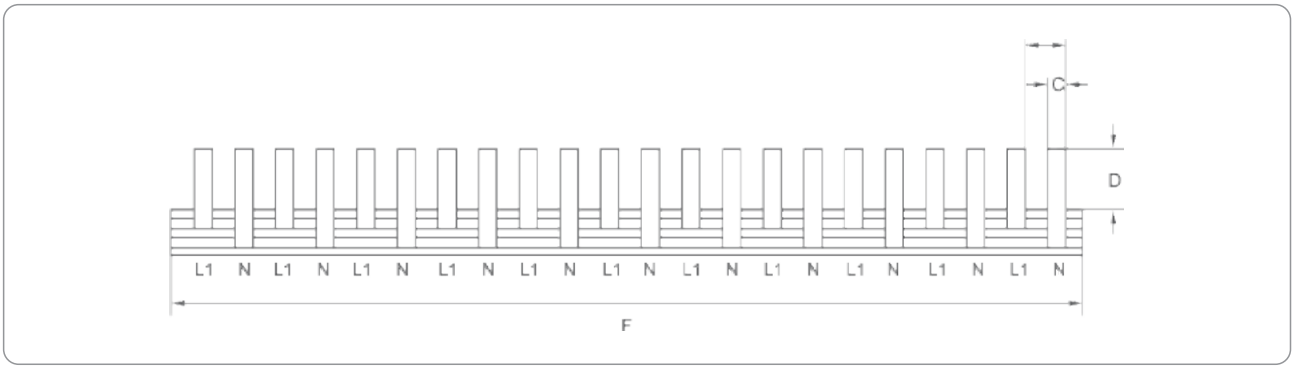


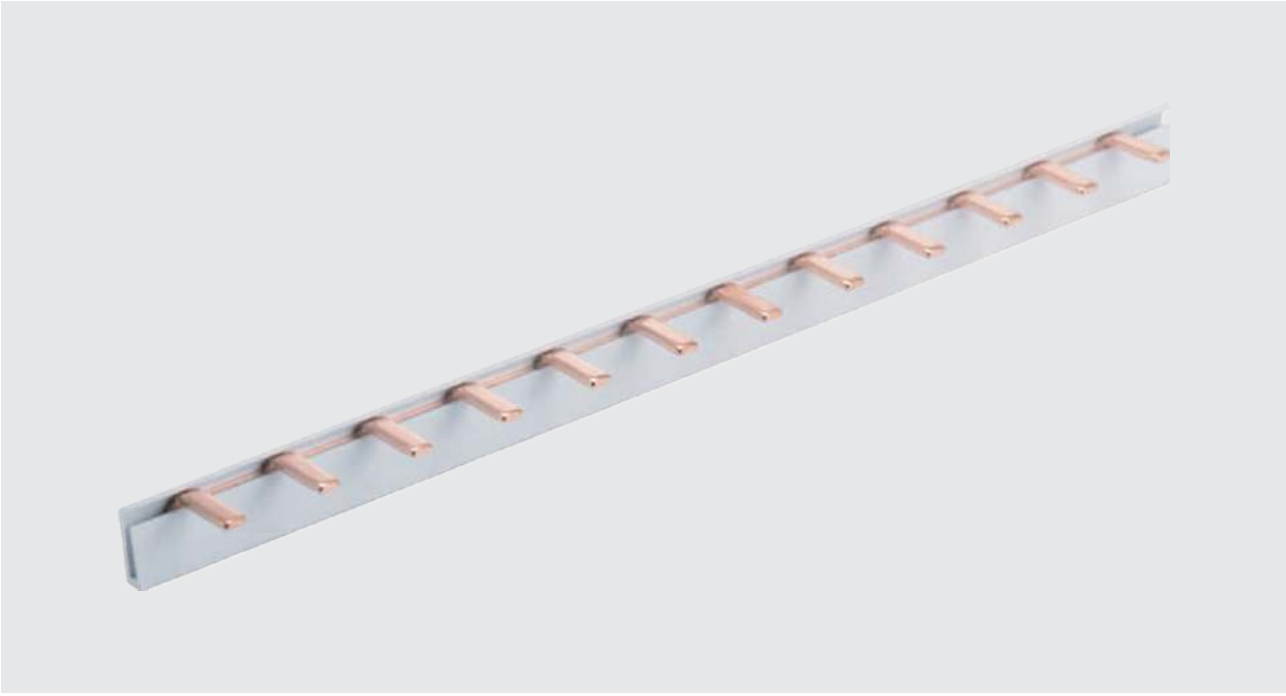


Technical Data

Description	Article No.	ACross Section	B Distance(mm)	C Width of Pin(mm)	DLength of Pin(mm)	Modules	Length (mm)	G Reference Current
P-1+N-210/8	KP61208	8mm²	9	4	11.5	24	210	50A
P-1+N-210/10	KP61210	10mm²	9	4	11.5	24	210	63A
P-1+N-210/13	KP61213	13mm²	9	4	11.5	24	210	70A
P-1+N-210/16	KP61216	16mm²	9	4	11.5	24	210	80A
P-1+N-1000/8	KP65408	8mm²	9	4	11.5	108	1000	50A
P-1+N-1000/10	KP65410	10mm²	9	4	11.5	108	1000	63A
P-1+N-1000/13	KP65413	13mm²	9	4	11.5	108	1000	70A
P-1+N-1000/16	KP65416	16mm²	9	4	11.5	108	1000	80A

Overall & Installation Dimensions

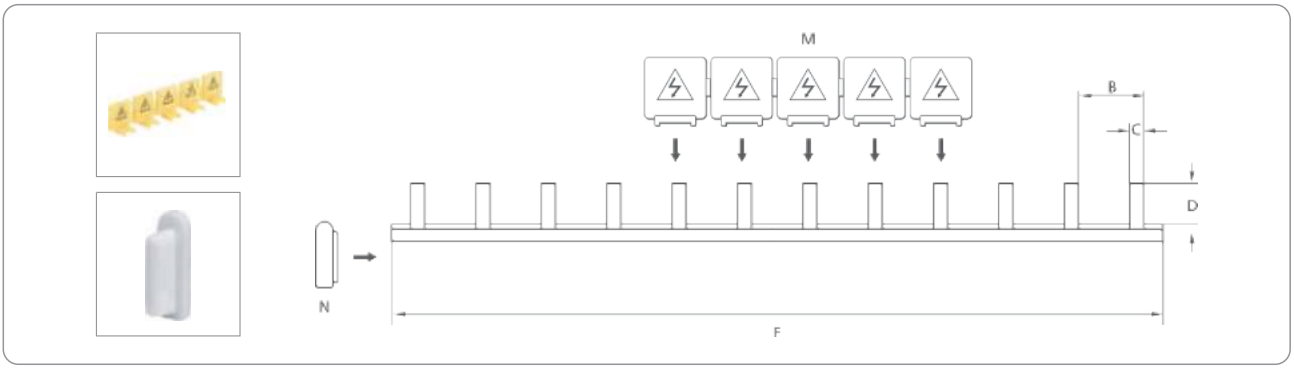


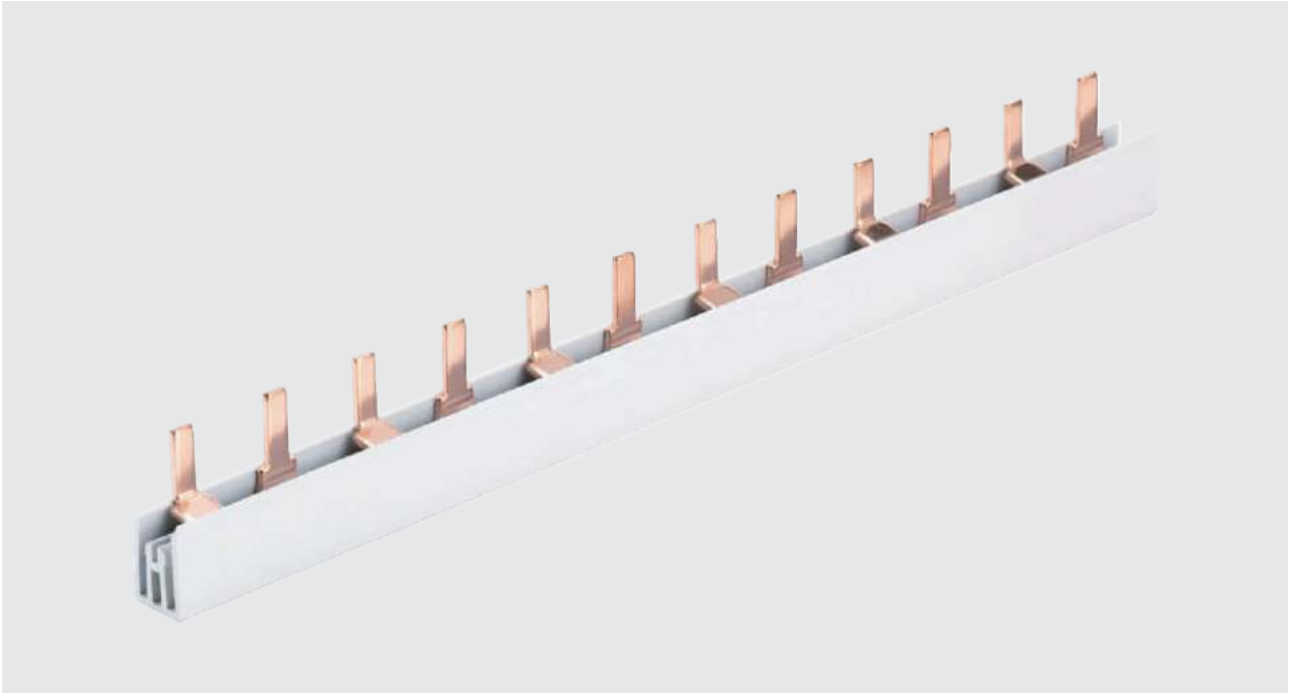


Technical Data

Description	Article No.	A Cross Section	B Distance (mm)	C Width of Pin(mm)	D Length of Pin(mm)	E Modules	F Length (mm)	G Reference Current
P-1L-210/8	HJ11208	8mm²	17.8	4	11.5	12	210	50A
P-1L-210/10	HJ11210	10mm²	17.8	4	11.5	12	210	63A
P-1L-210/13	HJ11213	13mm²	17.8	4	11.5	12	210	70A
P-1L-210/16	HJ11216	16mm²	17.8	4	11.5	12	210	80A
P-1L-1000/8	HJ15408	8mm²	17.8	4	11.5	54	1000	50A
P-1L-1000/10	HJ15410	10mm²	17.8	4	11.5	54	1000	63A
P-1L-1000/13	HJ15413	13mm²	17.8	4	11.5	54	1000	70A
P-1L-1000/16	HJ15416	16mm²	17.8	4	11.5	54	1000	80A
P-1L-1016/8	HJ15708	8mm²	17.8	4	11.5	57	1016	50A
P-1L-1016/10	HJ15710	10mm²	17.8	4	11.5	57	1016	63A
P-1L-1016/13	HJ15713	13mm²	17.8	4	11.5	57	1016	70A
P-1L-1016/16	HJ15716	16mm²	17.8	4	11.5	57	1016	80A

Overall & Installation Dimensions

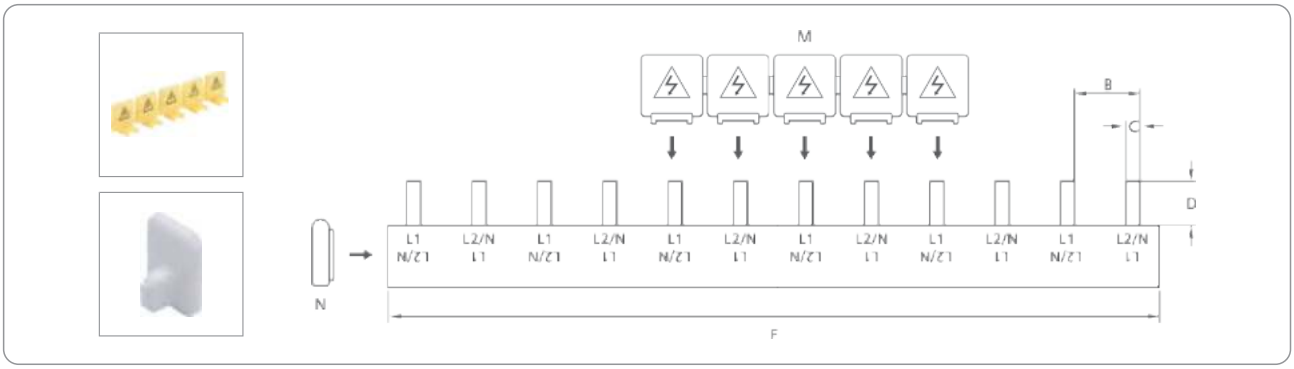


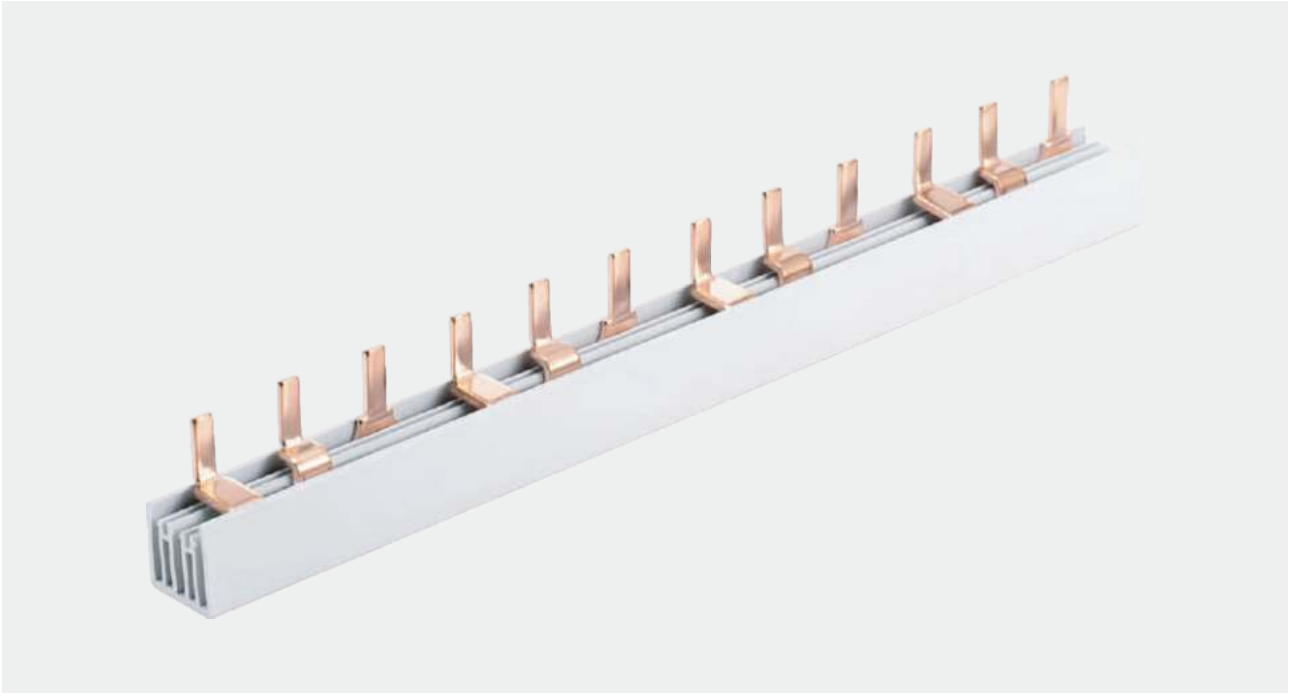


Technical Data

Description	Article No.	A Cross Section	B Distance (mm)	C Width of Pin(mm)	D Length of Pin(mm)	E Modules	F Length (mm)	G Reference Current
P-2L-210/8	HJ21208	8mm²	17.8	4	11.5	12	210	50A
P-2L-210/10	HJ21210	10mm²	17.8	4	11.5	12	210	63A
P-2L-210/13	HJ21213	13mm²	17.8	4	11.5	12	210	70A
P-2L-210/16	HJ21216	16mm²	17.8	4	11.5	12	210	80A
P-2L-1000/8	HJ25408	8mm²	17.8	4	11.5	54	1000	50A
P-2L-1000/10	HJ25410	10mm²	17.8	4	11.5	54	1000	63A
P-2L-1000/13	HJ25413	13mm²	17.8	4	11.5	54	1000	70A
P-2L-1000/16	HJ25416	16mm²	17.8	4	11.5	54	1000	80A
P-2L-1016/8	HJ25608	8mm²	17.8	4	11.5	56	1016	50A
P-2L-1016/10	HJ25610	10mm²	17.8	4	11.5	56	1016	63A
P-2L-1016/13	HJ25613	13mm²	17.8	4	11.5	56	1016	70A
P-2L-1016/16	HJ25616	16mm²	17.8	4	11.5	56	1016	80A

Overall & Installation Dimensions





Technical Data

Description	Article No.	A Cross Section	B Distance (mm)	C Width of Pin(mm)	D Length of Pin(mm)	E Modules	F Length (mm)	G Reference Current
P-3L-210/8	HJ31208	8mm²	17.8	4	11.5	12	210	50A
P-3L-210/10	HJ31210	10mm²	17.8	4	11.5	12	210	63A
P-3L-210/13	HJ31213	13mm²	17.8	4	11.5	12	210	70A
P-3L-210/16	HJ31216	16mm²	17.8	4	11.5	12	210	80A
P-3L-1000/8	HJ35408	8mm²	17.8	4	11.5	54	1000	50A
P-3L-1000/10	HJ35410	10mm²	17.8	4	11.5	54	1000	63A
P-3L-1000/13	HJ35413	13mm²	17.8	4	11.5	54	1000	70A
P-3L-1000/16	HJ35416	16mm²	17.8	4	11.5	54	1000	80A
P-3L-1016/08	HJ35708	8mm²	17.8	4	11.5	57	1016	50A
P-3L-1016/10	HJ35710	10mm²	17.8	4	11.5	57	1016	63A
P-3L-1016/13	HJ35713	13mm²	17.8	4	11.5	57	1016	70A
P-3L-1016/16	HJ35716	16mm²	17.8	4	11.5	57	1016	80A

Overall & Installation Dimensions