OMICRON

OMICRON

COMPANY PROFILE

Is one of the national new high-tech enterprises integrated of researching, producing and selling water-proof electric, low-voltage electric and new energy electric products.

Established in 1992,OMICRON now is gradually becoming the influential electric manufacturer in the World after many years well development.With a great brand effect,OMICRON has the completed sales and service network with its products been exported to all over the world like Europe. Australia. American. Africa. Oceania. South east of Asia, and district of HongKong,Macaw,Turkey and Taiwan. OMICRON is awarded the title of Famous rt Export Brand.

OMICRON now has the factory area 60000 m2 and workers more than 600, including over 10 senior engineers, 30 professional technicists and 30 senior executives. Products pass the certification of CE, CB, UL, VDE, TUV, KEMA, SAA, SEMKO, ROHS, and China CCC as well as quality management system such as ISO9001,ISO14001,ISO45001,ISO5001.

Cooperated with domestic and foreign R&D institutions,OMICRON, successively developed more than 100 independent intellectual properties; some of them were successfully awarded the national patent for invention and utility models as its well performance.OMICRON now has been selected as provincial technical research and development center and patent demonstration enterprise by government.

OMICRON always adheres to the enterprise principle of "Scientific management, independent Innovation, Coordinating Collaboration and Cultural Brand", keep faith of "moral first" and fulfill the core value of "double-win cooperation with customers, creating profit for company owners, getting rich together with workers, building harmony for society" and fight for the mission of"make the dream of world famous electrical brand come true".

CERTIFICATE

Contents

OM1 Mini Circuit Breaker

Application

OM13P60C63 series miniature circuit breaker(hereinafter called MCB) is suitable for operating in the distribution line of AC 50Hz, rated voltage up to 400V, rated current up to 63A to protect electric equipment against over-current, also used to switch the line non-frequently. This product has such advantage as reliable performance, accurate protective characteristics and small size, especially suitable for industrial an commercial lighting lines. This MCB complies with GB/T 10963.1 standard “Electrical accessories: Circuit- breakers for over-current protection for household and similar installations-Part 1: Circuit-breakers for AC operation”.

Model and Meanings

OM 1 - 3P / □ / □ □

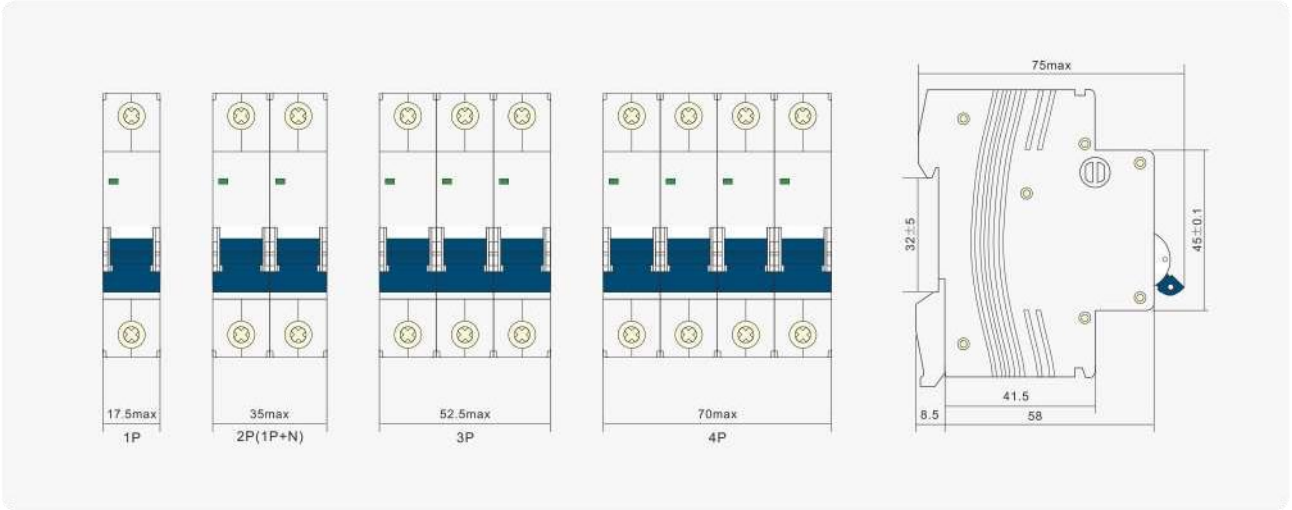
- Rated current
- Tripping modes/curves(B,C or D)
- Pole number(Neutral pole:N)
- Pole number
- Design code
- Enterprise code

OM1 Mini Circuit Breaker

Main technical specifi cations

1. Rated frame current Inm: 63A
2. Rated voltage Ue: 230V/400V (50/60Hz)
3. Rated current In: B, C, D type: 1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63A
4. Rated breaking capacity Icn: 6000A.
5. Pole number: 1P, 1P+N, 2P, 3P, 3P+N, 4P
6. Endurance: mechanical: 10000cycles, electrical: 8000 cycles.

Outline and Installaiton Dimensions



Main Feature

Conforming of latest standard of IEC and GB 10963-99

Accurate current tripping and setting

High current limitation capabillty to realize the high selection

Dual-terminal at two sides is suitable for the busway and single-core conductor

Multiple-function accessories series

Wiring screw of combined channel with large torque and solid witing and rapid wiring

Free incoming-line direction of power supply

Dual-terminal at two sides is suitable for the busway and

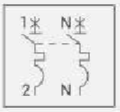
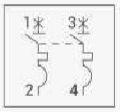
single-core conductor

Notices when to purchase the product

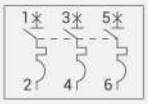
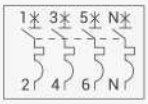
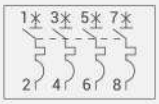
When to purchase the products, please indicate the model, rated current, tripping mode,pole number, and qty.

For example:OM1 rated current 40A, tripping mode: C type, 3P, 100pcs Written as: OM13P0600C40

OM1 High Breaking Capacity Mini Circuit Breaker

		3P	3P+N	4P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve Transient tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	1	OM11P060B01	OM11PN060B01	OM12P060B01
	2	OM11P060B02	OM11PN060B02	OM12P060B02
	3	OM11P060B03	OM11PN060B03	OM12P060B03
	4	OM11P060B04	OM11PN060B04	OM12P060B04
	5	OM11P060B05	OM11PN060B05	OM12P060B05
	6	OM11P060B06	OM11PN060B06	OM12P060B06
	10	OM11P060B10	OM11PN060B10	OM12P060B10
	16	OM11P060B16	OM11PN060B16	OM12P060B16
	20	OM11P060B20	OM11PN060B20	OM12P060B20
	25	OM11P060B25	OM11PN060B25	OM12P060B25
	32	OM11P060B32	OM11PN060B32	OM12P060B32
	40	OM11P060B40	OM11PN060B40	OM12P060B40
C Type charcteristics curve Transient tripping 5-10In Mainly used for lighting or partial power circuit	50	OM11P060B50	OM11PN060B50	OM12P060B50
	63	OM11P060B63	OM11PN060B63	OM12P060B63
	1	OM11P060C01	OM11PN060C01	OM12P060C01
	2	OM11P060C02	OM11PN060C02	OM12P060C02
	3	OM11P060C03	OM11PN060C03	OM12P060C03
	4	OM11P060C04	OM11PN060C04	OM12P060C04
	5	OM11P060C05	OM11PN060C05	OM12P060C05
	6	OM11P060C06	OM11PN060C06	OM12P060C06
	10	OM11P060C10	OM11PN060C10	OM12P060C10
	16	OM11P060C16	OM11PN060C16	OM12P060C16
	20	OM11P060C20	OM11PN060C20	OM12P060C20
	25	OM11P060C25	OM11PN060C25	OM12P060C25
	32	OM11P060C32	OM11PN060C32	OM12P060C32
	40	OM11P060C40	OM11PN060C40	OM12P060C40
	50	OM11P060C50	OM11PN060C50	OM12P060C50
	63	OM11P060C63	OM11PN060C63	OM12P060C63
D Type charcteristics curve Transient tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	1	OM11P060D01	OM11PN060D01	OM12P060D01
	2	OM11P060D02	OM11PN060D02	OM12P060D02
	3	OM11P060D03	OM11PN060D03	OM12P060D03
	4	OM11P060D04	OM11PN060D04	OM12P060D04
	5	OM11P060D05	OM11PN060D05	OM12P060D05
	6	OM11P060D06	OM11PN060D06	OM12P060D06
	10	OM11P060D10	OM11PN060D10	OM12P060D10
	16	OM11P060D16	OM11PN060D16	OM12P060D16
	20	OM11P060D20	OM11PN060D20	OM12P060D20
	25	OM11P060D25	OM11PN060D25	OM12P060D25
	32	OM11P060D32	OM11PN060D32	OM12P060D32
	40	OM11P060D40	OM11PN060D40	OM12P060D40
	50	OM11P060D50	OM11PN060D50	OM12P060D50
	63	OM11P060D63	OM11PN060D63	OM12P060D63

OM1 Mini Circuit Breaker

		3P	3P+N	4P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve				
Transient tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	1	OM13P060B01	OM13PN060B01	OM14P060B01
	2	OM13P060B02	OM13PN060B02	OM14P060B02
	3	OM13P060B03	OM13PN060B03	OM14P060B03
	4	OM13P060B04	OM13PN060B04	OM14P060B04
	5	OM13P060B05	OM13PN060B05	OM14P060B05
	6	OM13P060B06	OM13PN060B06	OM14P060B06
	10	OM13P060B10	OM13PN060B10	OM14P060B10
	16	OM13P060B16	OM13PN060B16	OM14P060B16
	20	OM13P060B20	OM13PN060B20	OM14P060B20
	25	OM13P060B25	OM13PN060B25	OM14P060B25
	32	OM13P060B32	OM13PN060B32	OM14P060B32
C Type charcteristics curve	40	OM13P060B40	OM13PN060B40	OM14P060B40
	50	OM13P060B50	OM13PN060B50	OM14P060B50
	63	OM13P060B63	OM13PN060B63	OM14P060B63
Transient tripping 5-10In Mainly used for lighting or partial power circuit	1	OM13P060C01	OM13PN060C01	OM14P060C01
	2	OM13P060C02	OM13PN060C02	OM14P060C02
	3	OM13P060C03	OM13PN060C03	OM14P060C03
	4	OM13P060C04	OM13PN060C04	OM14P060C04
	5	OM13P060C05	OM13PN060C05	OM14P060C05
	6	OM13P060C06	OM13PN060C06	OM14P060C06
	10	OM13P060C10	OM13PN060C10	OM14P060C10
	16	OM13P060C16	OM13PN060C16	OM14P060C16
	20	OM13P060C20	OM13PN060C20	OM14P060C20
	25	OM13P060C25	OM13PN060C25	OM14P060C25
	32	OM13P060C32	OM13PN060C32	OM14P060C32
	40	OM13P060C40	OM13PN060C40	OM14P060C40
	50	OM13P060C50	OM13PN060C50	OM14P060C50
	63	OM13P060C63	OM13PN060C63	OM14P060C63
D Type charcteristics curve				
Transient tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	1	OM13P060D01	OM13PN060D01	OM14P060D01
	2	OM13P060D02	OM13PN060D02	OM14P060D02
	3	OM13P060D03	OM13PN060D03	OM14P060D03
	4	OM13P060D04	OM13PN060D04	OM14P060D04
	5	OM13P060D05	OM13PN060D05	OM14P060D05
	6	OM13P060D06	OM13PN060D06	OM14P060D06
	10	OM13P060D10	OM13PN060D10	OM14P060D10
	16	OM13P060D16	OM13PN060D16	OM14P060D16
	20	OM13P060D20	OM13PN060D20	OM14P060D20
	25	OM13P060D25	OM13PN060D25	OM14P060D25
	32	OM13P060D32	OM13PN060D32	OM14P060D32
	40	OM13P060D40	OM13PN060D40	OM14P060D40
	50	OM13P060D50	OM13PN060D50	OM14P060D50
	63	OM13P060D63	OM13PN060D63	OM14P060D63

OM2 High Breaking Capacity Mini Circuit Breaker

Technology Specification

Conform to standard	EN60898(IEC898)、GB/T 10963.1
Rated voltage	230DC-230V/400V; 50/60Hz
Rated breaking capacity	10kA
Trip charetor	B,C,D Type characteristics curve
Max fuse than can be connected to	100A gL(>10kA)
Selection grade	3
Work environment temperature	−5°C~+40°C
Case protection grade	IP40(After installation)
Electrical life	Not less of 8000 times switching operation
Mechanical life	Not less of 20000 times switching operation

Mechanical Parameters

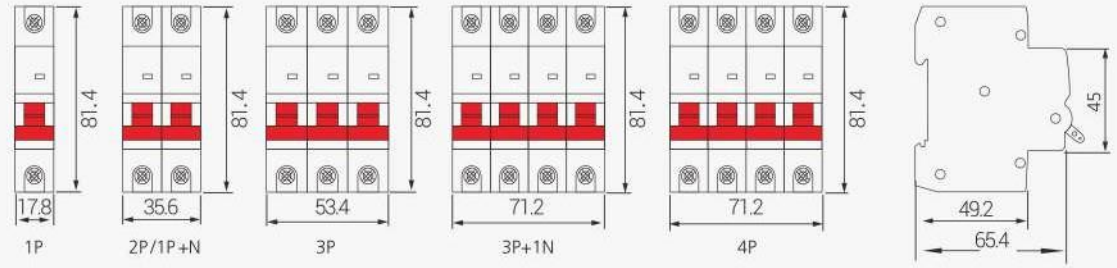
Installation mode	
The length of exposed plane	45mm
Enclosure height	81.4mm
Enclosure width	17.8mm every pole(monopole)
Installation method	The standard IEC 35mm rail
Terminal manner	Dual purpose terminal can connect generatrix and wire
Terminal block capability	Conductor 1-25mm, Generatrix thickness 0.8-2mm

OM2 High Breaking Capacity Mini Circuit Breaker

Accessories

Auxilicary contact	(Refer to P33)
Contact with alarm indication	(Refer to P33)
Shunt trip	(Refer to P34)
Under voltage trip	(Refer to P34)

Outline and Installaiton Dimensions



Main Feature

Conforming of latest standard of IEC and GB 10963-99

Accurate current tripping and setting

High breaking capablity 4.5kA / 6kA / 10kA

High current limitation capabillty to realize the high selection

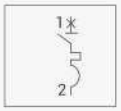
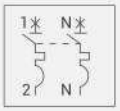
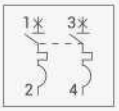
Dual-terminal at two sides is suitable for the busway and single-core conductor

Multiple-function accessories series

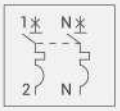
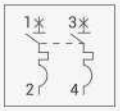
Wiring screw of combined channel with large torque and solid witing and rapid wiring

Free incoming-line direction of power supply

OM2 High Breaking Capacity Mini Circuit Breaker

		1P	1P+N	2P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve				
Translent tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	6	OM21P045B06	OM21PN045B06	OM22P045B06
	10	OM21P045B10	OM21PN045B10	OM22P045B10
	16	OM21P045B16	OM21PN045B16	OM22P045B16
	20	OM21P045B20	OM21PN045B20	OM22P045B20
	25	OM21P045B25	OM21PN045B25	OM22P045B25
	32	OM21P045B32	OM21PN045B32	OM22P045B32
	40	OM21P045B40	OM21PN045B40	OM22P045B40
C Type charcteristics curve	50	OM21P045B50	OM21PN045B50	OM22P045B50
	63	OM21P045B63	OM21PN045B63	OM22P045B63
Translent tripping 5-10In Mainly used for lighting or partial power circuit	6	OM21P045C06	OM21PN045C06	OM22P045C06
	10	OM21P045C10	OM21PN045C10	OM22P045C10
	16	OM21P045C16	OM21PN045C16	OM22P045C16
	20	OM21P045C20	OM21PN045C20	OM22P045C20
	25	OM21P045C25	OM21PN045C25	OM22P045C25
	32	OM21P045C32	OM21PN045C32	OM22P045C32
	40	OM21P045C40	OM21PN045C40	OM22P045C40
	50	OM21P045C50	OM21PN045C50	OM22P045C50
	63	OM21P045C63	OM21PN045C63	OM22P045C63
D Type charcteristics curve				
Translent tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	6	OM21P045D06	OM21PN045D06	OM22P045D06
	10	OM21P045D10	OM21PN045D10	OM22P045D10
	16	OM21P045D16	OM21PN045D16	OM22P045D16
	20	OM21P045D20	OM21PN045D20	OM22P045D20
	25	OM21P045D25	OM21PN045D25	OM22P045D25
	32	OM21P045D32	OM21PN045D32	OM22P045D32
	40	OM21P045D40	OM21PN045D40	OM22P045D40
	50	OM21P045D50	OM21PN045D50	OM22P045D50
	63	OM21P045D63	OM21PN045D63	OM22P045D63

OM2 High Breaking Capacity Mini Circuit Breaker

		1P	1P+N	2P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve				
Translent tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	6	OM21P060B06	OM21PN060B06	OM22P060B06
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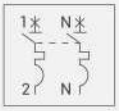
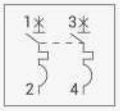
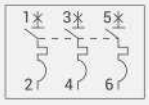
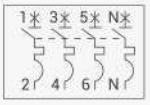
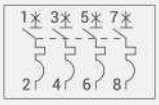
	16	OM21P060B16	OM21PN060B16	OM22P060B16
	20	OM21P060B20	OM21PN060B20	OM22P060B20
	25	OM21P060B25	OM21PN060B25	OM22P060B25
	32	OM21P060B32	OM21PN060B32	OM22P060B32
	40	OM21P060B40	OM21PN060B40	OM22P060B40
C Type charcteristics curve	50	OM21P060B50	OM21PN060B50	OM22P060B50
	63	OM21P060B63	OM21PN060B63	OM22P060B63
Translent tripping 5-10In Mainly used for lighting or partial power circuit	6	OM21P060C06	OM21PN060C06	OM22P060C06
	10	OM21P060C10	OM21PN060C10	OM22P060C10
	16	OM21P060C16	OM21PN060C16	OM22P060C16
	20	OM21P060C20	OM21PN060C20	OM22P060C20
	25	OM21P060C25	OM21PN060C25	OM22P060C25
	32	OM21P060C32	OM21PN060C32	OM22P060C32
	40	OM21P060C40	OM21PN060C40	OM22P060C40
	50	OM21P060C50	OM21PN060C50	OM22P060C50
	63	OM21P060C63	OM21PN060C63	OM22P060C63
D Type charcteristics curve				
Translent tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	6	OM21P060D06	OM21PN060D06	OM22P060D06
	10	OM21P060D10	OM21PN060D10	OM22P060D10
	16	OM21P060D16	OM21PN060D16	OM22P060D16
	20	OM21P060D20	OM21PN060D20	OM22P060D20
	25	OM21P060D25	OM21PN060D25	OM22P060D25
	32	OM21P060D32	OM21PN060D32	OM22P060D32
	40	OM21P060D40	OM21PN060D40	OM22P060D40
	50	OM21P060D50	OM21PN060D50	OM22P060D50
	63	OM21P060D63	OM21PN060D63	OM22P060D63

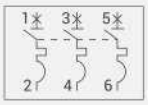
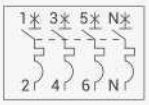
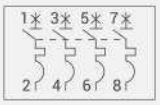
OM2 High Breaking Capacity Mini Circuit Breaker

		1P	1P+N	2P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve				
Transient tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	6	OM21P100B06	OM21PN100B06	OM22P100B06
	10	OM21P100B10	OM21PN100B10	OM22P100B10
	16	OM21P100B16	OM21PN100B16	OM22P100B16
	20	OM21P100B20	OM21PN100B20	OM22P100B20
	25	OM21P100B25	OM21PN100B25	OM22P100B25
	32	OM21P100B32	OM21PN100B32	OM22P100B32
	40	OM21P100B40	OM21PN100B40	OM22P100B40
C Type charcteristics curve	50	OM21P100B50	OM21PN100B50	OM22P100B50
	63	OM21P100B63	OM21PN100B63	OM22P100B63
Transient tripping 5-10In Mainly used for lighting or partial power circuit	6	OM21P100C06	OM21PN100C06	OM22P100C06
	10	OM21P100C10	OM21PN100C10	OM22P100C10
	16	OM21P100C16	OM21PN100C16	OM22P100C16
	20	OM21P100C20	OM21PN100C20	OM22P100C20
	25	OM21P100C25	OM21PN100C25	OM22P100C25
	32	OM21P100C32	OM21PN100C32	OM22P100C32
	40	OM21P100C40	OM21PN100C40	OM22P100C40
	50	OM21P100C50	OM21PN100C50	OM22P100C50
	63	OM21P100C63	OM21PN100C63	OM22P100C63
D Type charcteristics curve				
Transient tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	6	OM21P100D06	OM21PN100D06	OM22P100D06
	10	OM21P100D10	OM21PN100D10	OM22P100D10
	16	OM21P100D16	OM21PN100D16	OM22P100D16
	20	OM21P100D20	OM21PN100D20	OM22P100D20
	25	OM21P100D25	OM21PN100D25	OM22P100D25
	32	OM21P100D32	OM21PN100D32	OM22P100D32
	40	OM21P100D40	OM21PN100D40	OM22P100D40
	50	OM21P100D50	OM21PN100D50	OM22P100D50
	63	OM21P100D63	OM21PN100D63	OM22P100D63

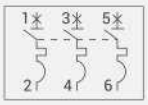
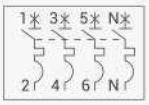
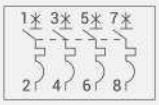
OM2 High Breaking Capacity Mini Circuit Breaker

		3P	3P+N	4P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve				
Translent tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	6	OM23P045B06	OM23PN045B06	OM24P045B06
	10	OM23P045B10	OM23PN045B10	OM24P045B10
	16	OM23P045B16	OM23PN045B16	OM24P045B16
	20	OM23P045B20	OM23PN045B20	OM24P045B20
	25	OM23P045B25	OM23PN045B25	OM24P045B25
	32	OM23P045B32	OM23PN045B32	OM24P045B32
	40	OM23P045B40	OM23PN045B40	OM24P045B40
C Type charcteristics curve	50	OM23P045B50	OM23PN045B50	OM24P045B50
	63	OM23P045B63	OM23PN045B63	OM24P045B63
Translent tripping 5-10In Mainly used for lighting or partial power circuit				
	6	OM23P045C06	OM23PN045C06	OM24P045C06
	10	OM23P045C10	OM23PN045C10	OM24P045C10
	16	OM23P045C16	OM23PN045C16	OM24P045C16
	20	OM23P045C20	OM23PN045C20	OM24P045C20
	25	OM23P045C25	OM23PN045C25	OM24P045C25
	32	OM23P045C32	OM23PN045C32	OM24P045C32
	40	OM23P045C40	OM23PN045C40	OM24P045C40
	50	OM23P045C50	OM23PN045C50	OM24P045C50
	63	OM23P045C63	OM23PN045C63	OM24P045C63
D Type charcteristics curve				
	6	OM23P045D06	OM23PN045D06	OM24P045D06
	10	OM23P045D10	OM23PN045D10	OM24P045D10
	16	OM23P045D16	OM23PN045D16	OM24P045D16
Translent tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	20	OM23P045D20	OM23PN045D20	OM24P045D20
	25	OM23P045D25	OM23PN045D25	OM24P045D25
	32	OM23P045D32	OM23PN045D32	OM24P045D32
	40	OM23P045D40	OM23PN045D40	OM24P045D40
	50	OM23P045D50	OM23PN045D50	OM24P045D50
	63	OM23P045D63	OM23PN045D63	OM24P045D63

OM2 High Breaking Capacity Mini Circuit Breaker

		3P	3P+N	4P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve				
Translent tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	6	OM23P060B06	OM23PN060B06	OM24P060B06
	10	OM23P060B10	OM23PN060B10	OM24P060B10
	16	OM23P060B16	OM23PN060B16	OM24P060B16
	20	OM23P060B20	OM23PN060B20	OM24P060B20
	25	OM23P060B25	OM23PN060B25	OM24P060B25
	32	OM23P060B32	OM23PN060B32	OM24P060B32
	40	OM23P060B40	OM23PN060B40	OM24P060B40
C Type charcteristics curve	50	OM23P060B50	OM23PN060B50	OM24P060B50
	63	OM23P060B63	OM23PN060B63	OM24P060B63
Translent tripping 5-10In Mainly used for lighting or partial power circuit				
	6	OM23P060C06	OM23PN060C06	OM24P060C06
	10	OM23P060C10	OM23PN060C10	OM24P060C10
	16	OM23P060C16	OM23PN060C16	OM24P060C16
	20	OM23P060C20	OM23PN060C20	OM24P060C20
	25	OM23P060C25	OM23PN060C25	OM24P060C25
	32	OM23P060C32	OM23PN060C32	OM24P060C32
	40	OM23P060C40	OM23PN060C40	OM24P060C40
	50	OM23P060C50	OM23PN060C50	OM24P060C50
	63	OM23P060C63	OM23PN060C63	OM24P060C63
D Type charcteristics curve				
	6	OM23P060D06	OM23PN060D06	OM24P060D06
	10	OM23P060D10	OM23PN060D10	OM24P060D10
	16	OM23P060D16	OM23PN060D16	OM24P060D16
Translent tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	20	OM23P060D20	OM23PN060D20	OM24P060D20
	25	OM23P060D25	OM23PN060D25	OM24P060D25
	32	OM23P060D32	OM23PN060D32	OM24P060D32
	40	OM23P060D40	OM23PN060D40	OM24P060D40
	50	OM23P060D50	OM23PN060D50	OM24P060D50
	63	OM23P060D63	OM23PN060D63	OM24P060D63

OM2 High Breaking Capacity Mini Circuit Breaker

		3P	3P+N	4P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve				
Translent tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	6	OM23P100B06	OM23PN100B06	OM24P100B06
	10	OM23P100B10	OM23PN100B10	OM24P100B10
	16	OM23P100B16	OM23PN100B16	OM24P100B16
	20	OM23P100B20	OM23PN100B20	OM24P100B20
	25	OM23P100B25	OM23PN100B25	OM24P100B25
	32	OM23P100B32	OM23PN100B32	OM24P100B32
	40	OM23P100B40	OM23PN100B40	OM24P100B40
C Type charcteristics curve	50	OM23P100B50	OM23PN100B50	OM24P100B50
	63	OM23P100B63	OM23PN100B63	OM24P100B63
Translent tripping 5-10In Mainly used for lighting or partial power circuit	6	OM23P100C06	OM23PN100C06	OM24P100C06
	10	OM23P100C10	OM23PN100C10	OM24P100C10
	16	OM23P100C16	OM23PN100C16	OM24P100C16
	20	OM23P100C20	OM23PN100C20	OM24P100C20
	25	OM23P100C25	OM23PN100C25	OM24P100C25
	32	OM23P100C32	OM23PN100C32	OM24P100C32
	40	OM23P100C40	OM23PN100C40	OM24P100C40
	50	OM23P100C50	OM23PN100C50	OM24P100C50
	63	OM23P100C63	OM23PN100C63	OM24P100C63
D Type charcteristics curve				
Translent tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	6	OM23P100D06	OM23PN100D06	OM24P100D06
	10	OM23P100D10	OM23PN100D10	OM24P100D10
	16	OM23P100D16	OM23PN100D16	OM24P100D16
	20	OM23P100D20	OM23PN100D20	OM24P100D20
	25	OM23P100D25	OM23PN100D25	OM24P100D25
	32	OM23P100D32	OM23PN100D32	OM24P100D32
	40	OM23P100D40	OM23PN100D40	OM24P100D40
	50	OM23P100D50	OM23PN100D50	OM24P100D50
	63	OM23P100D63	OM23PN100D63	OM24P100D63

OM3 High Breaking Capacity Mini Circuit Breaker

Technology Specification

Conform to standard	EN60898(IEC898)、GB/T 10963.1
Rated voltage	230V/400V; 50/60Hz
Rated breaking capacity	10kA
Trip charetor	B, C, D Type charcteristics curve
Max fuse than can be connected to	100A gL(>10kA)
Selection grade	3
Work environment temperature	−5°C−+40°C
Case protection grade	IP40(After installation)
Electrical life	Not less of 8000 times switching aperation
Mechanical life	Not less of 20000 times switching aperation

Mechanical Parameters

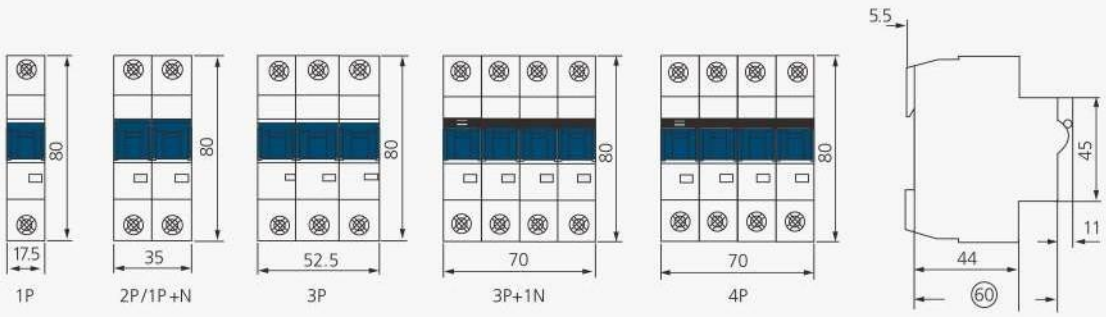
Installation mode	
The length of exposed plane	45mm
Enclosure height	80mm
Enclosure width	17.5mm every pole(monopole)
Installation method	The standard IEC 35mm rail
Terminal manner	Dual purpose terminal can connect generatrix and wire
Terminal block capability	Conductor 1-25mm, Generatrix thickness 0.8-2mm

OM3 High Breaking Capacity Mini Circuit Breaker

Accessories

Auxilicary contac	(Refer to P33)
Contact with alarm indication	(Refer to P33)
Shunt trip	(Refer to P34)
Under voltage trip	(Refer to P34)

Outline and Installaiton Dimensions



Main Feature

Conforming of latest standard of IEC and GB 10963-99

Accurate current tripping and setting

High breaking capablity up to 10kA

High current limitation capabillty to realize the high selection

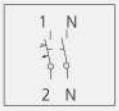
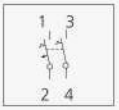
Dual-terminal at two sides is suitable for the busway and single-core conductor

Multiple-function accessories series

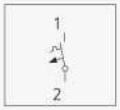
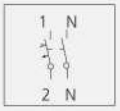
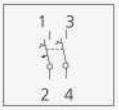
Wiring screw of combined channel with large torque and solid witing and rapid wiring

Free incoming-line direction of power supply

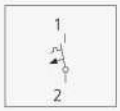
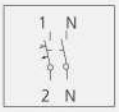
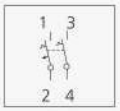
OM3 High Breaking Capacity Mini Circuit Breaker

		1P	1P+N	2P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve				
Translent tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	6	OM31P045B06	OM31PN045B06	OM32P045B06
	10	OM31P045B10	OM31PN045B10	OM32P045B10
	16	OM31P045B16	OM31PN045B16	OM32P045B16
	20	OM31P045B20	OM31PN045B20	OM32P045B20
	25	OM31P045B25	OM31PN045B25	OM32P045B25
	32	OM31P045B32	OM31PN045B32	OM32P045B32
	40	OM31P045B40	OM31PN045B40	OM32P045B40
C Type charcteristics curve	50	OM31P045B50	OM31PN045B50	OM32P045B50
	63	OM31P045B63	OM31PN045B63	OM32P045B63
	80	OM31P045B80	OM31PN045B80	OM32P045B80
Translent tripping 5-10In Mainly used for lighting or partial power circuit	6	OM31P045C06	OM31PN045C06	OM32P045C06
	10	OM31P045C10	OM31PN045C10	OM32P045C10
	16	OM31P045C16	OM31PN045C16	OM32P045C16
	20	OM31P045C20	OM31PN045C20	OM32P045C20
	25	OM31P045C25	OM31PN045C25	OM32P045C25
	32	OM31P045C32	OM31PN045C32	OM32P045C32
	40	OM31P045C40	OM31PN045C40	OM32P045C40
	50	OM31P045C50	OM31PN045C50	OM32P045C50
	63	OM31P045C63	OM31PN045C63	OM32P045C63
	80	OM31P045C80	OM31PN045C80	OM32P045C80
D Type charcteristics curve	6	OM31P045D06	OM31PN045D06	OM32P045D06
	10	OM31P045D10	OM31PN045D10	OM32P045D10
	16	OM31P045D16	OM31PN045D16	OM32P045D16
	20	OM31P045D20	OM31PN045D20	OM32P045D20
Translent tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	25	OM31P045D25	OM31PN045D25	OM32P045D25
	32	OM31P045D32	OM31PN045D32	OM32P045D32
	40	OM31P045D40	OM31PN045D40	OM32P045D40
	50	OM31P045D50	OM31PN045D50	OM32P045D50
	63	OM31P045D63	OM31PN045D63	OM32P045D63
	80	OM31P045D80	OM31PN045D80	OM32P045D80

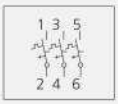
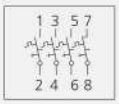
OM3 High Breaking Capacity Mini Circuit Breaker

		1P	1P+N	2P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve				
Transient tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	6	OM31P060B06	OM31PN060B06	OM32P060B06
	10	OM31P060B10	OM31PN060B10	OM32P060B10
	16	OM31P060B16	OM31PN060B16	OM32P060B16
	20	OM31P060B20	OM31PN060B20	OM32P060B20
	25	OM31P060B25	OM31PN060B25	OM32P060B25
	32	OM31P060B32	OM31PN060B32	OM32P060B32
	40	OM31P060B40	OM31PN060B40	OM32P060B40
C Type charcteristics curve	50	OM31P060B50	OM31PN060B50	OM32P060B50
	63	OM31P060B63	OM31PN060B63	OM32P060B63
	80	OM31P060B80	OM31PN060B80	OM32P060B80
Transient tripping 5-10In Mainly used for lighting or partial power circuit				
	6	OM31P045C06	OM31PN045C06	OM32P045C06
	10	OM31P045C10	OM31PN045C10	OM32P045C10
	16	OM31P045C16	OM31PN045C16	OM32P045C16
	20	OM31P045C20	OM31PN045C20	OM32P045C20
	25	OM31P045C25	OM31PN045C25	OM32P045C25
	32	OM31P045C32	OM31PN045C32	OM32P045C32
	40	OM31P045C40	OM31PN045C40	OM32P045C40
	50	OM31P045C50	OM31PN045C50	OM32P045C50
	63	OM31P045C63	OM31PN045C63	OM32P045C63
	80	OM31P045C80	OM31PN045C80	OM32P045C80
D Type charcteristics curve				
Transient tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	6	OM31P045D06	OM31PN045D06	OM32P045D06
	10	OM31P045D10	OM31PN045D10	OM32P045D10
	16	OM31P045D16	OM31PN045D16	OM32P045D16
	20	OM31P045D20	OM31PN045D20	OM32P045D20
	25	OM31P045D25	OM31PN045D25	OM32P045D25
	32	OM31P045D32	OM31PN045D32	OM32P045D32
	40	OM31P045D40	OM31PN045D40	OM32P045D40
	50	OM31P045D50	OM31PN045D50	OM32P045D50
	63	OM31P045D63	OM31PN045D63	OM32P045D63
	80	OM31P045D80	OM31PN045D80	OM32P045D80

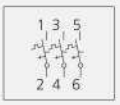
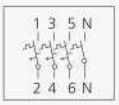
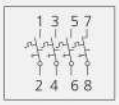
OM3 High Breaking Capacity Mini Circuit Breaker

		1P	1P+N	2P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve				
Translent tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	6	OM31P100B06	OM31PN100B06	OM32P100B06
	10	OM31P100B10	OM31PN100B10	OM32P100B10
	16	OM31P100B16	OM31PN100B16	OM32P100B16
	20	OM31P100B20	OM31PN100B20	OM32P100B20
	25	OM31P100B25	OM31PN100B25	OM32P100B25
	32	OM31P100B32	OM31PN100B32	OM32P100B32
	40	OM31P100B40	OM31PN100B40	OM32P100B40
C Type charcteristics curve	50	OM31P100B50	OM31PN100B50	OM32P100B50
	63	OM31P100B63	OM31PN100B63	OM32P100B63
	80	OM31P100B80	OM31PN100B80	OM32P100B80
Translent tripping 5-10In Mainly used for lighting or partial power circuit	6	OM31P100C06	OM31PN100C06	OM32P100C06
	10	OM31P100C10	OM31PN100C10	OM32P100C10
	16	OM31P100C16	OM31PN100C16	OM32P100C16
	20	OM31P100C20	OM31PN100C20	OM32P100C20
	25	OM31P100C25	OM31PN100C25	OM32P100C25
	32	OM31P100C32	OM31PN100C32	OM32P100C32
	40	OM31P100C40	OM31PN100C40	OM32P100C40
	50	OM31P100C50	OM31PN100C50	OM32P100C50
	63	OM31P100C63	OM31PN100C63	OM32P100C63
	80	OM31P100C80	OM31PN100C80	OM32P100C80
D Type charcteristics curve				
Translent tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	6	OM31P100D06	OM31PN100D06	OM32P100D06
	10	OM31P100D10	OM31PN100D10	OM32P100D10
	16	OM31P100D16	OM31PN100D16	OM32P100D16
	20	OM31P100D20	OM31PN100D20	OM32P100D20
	25	OM31P100D25	OM31PN100D25	OM32P100D25
	32	OM31P100D32	OM31PN100D32	OM32P100D32
	40	OM31P100D40	OM31PN100D40	OM32P100D40
	50	OM31P100D50	OM31PN100D50	OM32P100D50
	63	OM31P100D63	OM31PN100D63	OM32P100D63
	80	OM31P100D80	OM31PN100D80	OM32P100D80

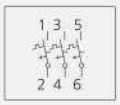
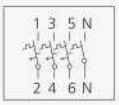
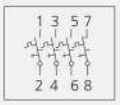
OM3 High Breaking Capacity Mini Circuit Breaker

		3P	3P+N	4P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve				
Transient tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	6	OM33P045B06	OM33PN045B06	OM34P045B06
	10	OM33P045B10	OM33PN045B10	OM34P045B10
	16	OM33P045B16	OM33PN045B16	OM34P045B16
	20	OM33P045B20	OM33PN045B20	OM34P045B20
	25	OM33P045B25	OM33PN045B25	OM34P045B25
	32	OM33P045B32	OM33PN045B32	OM34P045B32
	40	OM33P045B40	OM33PN045B40	OM34P045B40
C Type charcteristics curve	50	OM33P045B50	OM33PN045B50	OM34P045B50
	63	OM33P045B63	OM33PN045B63	OM34P045B63
Transient tripping 5-10In Mainly used for lighting or partial power circuit	80	OM33P045B80	OM33PN045B80	OM34P045B80
	6	OM33P045C06	OM33PN045C06	OM34P045C06
	10	OM33P045C10	OM33PN045C10	OM34P045C10
	16	OM33P045C16	OM33PN045C16	OM34P045C16
	20	OM33P045C20	OM33PN045C20	OM34P045C20
	25	OM33P045C25	OM33PN045C25	OM34P045C25
	32	OM33P045C32	OM33PN045C32	OM34P045C32
	40	OM33P045C40	OM33PN045C40	OM34P045C40
	50	OM33P045C50	OM33PN045C50	OM34P045C50
	63	OM33P045C63	OM33PN045C63	OM34P045C63
D Type charcteristics curve	80	OM33P045C80	OM33PN045C80	OM34P045C80
	6	OM33P045D06	OM33PN045D06	OM34P045D06
	10	OM33P045D10	OM33PN045D10	OM34P045D10
	16	OM33P045D16	OM33PN045D16	OM34P045D16
Transient tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	20	OM33P045D20	OM33PN045D20	OM34P045D20
	25	OM33P045D25	OM33PN045D25	OM34P045D25
	32	OM33P045D32	OM33PN045D32	OM34P045D32
	40	OM33P045D40	OM33PN045D40	OM34P045D40
	50	OM33P045D50	OM33PN045D50	OM34P045D50
	63	OM33P045D63	OM33PN045D63	OM34P045D63
	80	OM33P045D80	OM33PN045D80	OM34P045D80

OM3 High Breaking Capacity Mini Circuit Breaker

		3P	3P+N	4P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve Transient tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	6	OM33P060B06	OM33PN060B06	OM34P060B06
	10	OM33P060B10	OM33PN060B10	OM34P060B10
	16	OM33P060B16	OM33PN060B16	OM34P060B16
	20	OM33P060B20	OM33PN060B20	OM34P060B20
	25	OM33P060B25	OM33PN060B25	OM34P060B25
	32	OM33P060B32	OM33PN060B32	OM34P060B32
	40	OM33P060B40	OM33PN060B40	OM34P060B40
C Type charcteristics curve	50	OM33P060B50	OM33PN060B50	OM34P060B50
	63	OM33P060B63	OM33PN060B63	OM34P060B63
	80	OM33P060B80	OM33PN060B80	OM34P060B80
Transient tripping 5-10In Mainly used for lighting or partial power circuit	6	OM33P060C06	OM33PN060C06	OM34P060C06
	10	OM33P060C10	OM33PN060C10	OM34P060C10
	16	OM33P060C16	OM33PN060C16	OM34P060C16
	20	OM33P060C20	OM33PN060C20	OM34P060C20
	25	OM33P060C25	OM33PN060C25	OM34P060C25
	32	OM33P060C32	OM33PN060C32	OM34P060C32
	40	OM33P060C40	OM33PN060C40	OM34P060C40
	50	OM33P060C50	OM33PN060C50	OM34P060C50
	63	OM33P060C63	OM33PN060C63	OM34P060C63
	80	OM33P060C80	OM33PN060C80	OM34P060C80
D Type charcteristics curve Transient tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	6	OM33P060D06	OM33PN060D06	OM34P060D06
	10	OM33P060D10	OM33PN060D10	OM34P060D10
	16	OM33P060D16	OM33PN060D16	OM34P060D16
	20	OM33P060D20	OM33PN060D20	OM34P060D20
	25	OM33P060D25	OM33PN060D25	OM34P060D25
	32	OM33P060D32	OM33PN060D32	OM34P060D32
	40	OM33P060D40	OM33PN060D40	OM34P060D40
	50	OM33P060D50	OM33PN060D50	OM34P060D50
	63	OM33P060D63	OM33PN060D63	OM34P060D63
	80	OM33P060D80	OM33PN060D80	OM34P060D80

OM3 High Breaking Capacity Mini Circuit Breaker

		3P	3P+N	4P
Prevention of overload and short circuit of electrical device and circuit				
	Rated current In(A)			
B Type charcteristics curve Transient tripping 3-5In Mainly applied to non-sense or a sense of micro-circuits	6	OM33P100B06	OM33PN100B06	OM34P100B06
	10	OM33P100B10	OM33PN100B10	OM34P100B10
	16	OM33P100B16	OM33PN100B16	OM34P100B16
	20	OM33P100B20	OM33PN100B20	OM34P100B20
	25	OM33P100B25	OM33PN100B25	OM34P100B25
	32	OM33P100B32	OM33PN100B32	OM34P100B32
	40	OM33P100B40	OM33PN100B40	OM34P100B40
	50	OM33P100B50	OM33PN100B50	OM34P100B50
	63	OM33P100B63	OM33PN100B63	OM34P100B63
	80	OM33P100B80	OM33PN100B80	OM34P100B80
C Type charcteristics curve Transient tripping 5-10In Mainly used for lighting or partial power circuit	6	OM33P100C06	OM33PN100C06	OM34P100C06
	10	OM33P100C10	OM33PN100C10	OM34P100C10
	16	OM33P100C16	OM33PN100C16	OM34P100C16
	20	OM33P100C20	OM33PN100C20	OM34P100C20
	25	OM33P100C25	OM33PN100C25	OM34P100C25
	32	OM33P100C32	OM33PN100C32	OM34P100C32
	40	OM33P100C40	OM33PN100C40	OM34P100C40
	50	OM33P100C50	OM33PN100C50	OM34P100C50
	63	OM33P100C63	OM33PN100C63	OM34P100C63
	80	OM33P100C80	OM33PN100C80	OM34P100C80
D Type charcteristics curve Transient tripping 10-20In Mainly use for partial power circuit or strong inductive circuit	6	OM33P100C06	OM33PN100C06	OM34P100C06
	10	OM33P100C10	OM33PN100C10	OM34P100C10
	16	OM33P100C16	OM33PN100C16	OM34P100C16
	20	OM33P100C20	OM33PN100C20	OM34P100C20
	25	OM33P100C25	OM33PN100C25	OM34P100C25
	32	OM33P100C32	OM33PN100C32	OM34P100C32
	40	OM33P100C40	OM33PN100C40	OM34P100C40
	50	OM33P100C50	OM33PN100C50	OM34P100C50
	63	OM33P100C63	OM33PN100C63	OM34P100C63
	80	OM33P100C80	OM33PN100C80	OM34P100C80

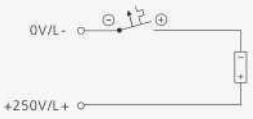
OM3 DC Miniature Circuit Breaker

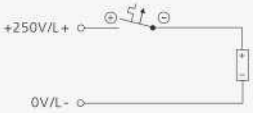
Overload and short-circuit protection sutiable for DC circuit, especially at the fields of communication, electric and electric vehicle and so on.

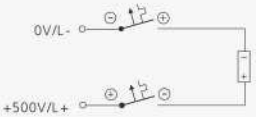
Rated breaking capacity is: 6000 / 3

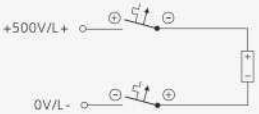
C characteristic curve

Instantaneous trip 7–14In

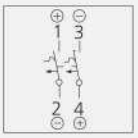
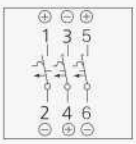
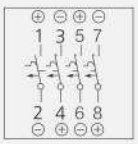








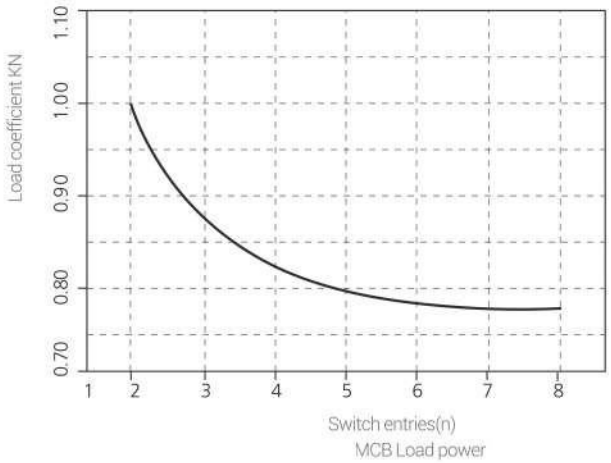
Caution: Power electrodes shall not be improperly connected, lest the current can not be effectively cut off.

	1P	2P
		
Rated current In(A)		
6	OM31P060C06D	OM32P060C06D
10	OM31P060C10D	OM32P060C10D
13	OM31P060C13D	OM32P060C13D
16	OM31P060C16D	OM32P060C16D
20	OM31P060C20D	OM32P060C20D
25	OM31P060C25D	OM32P060C25D
32	OM31P060C32D	OM32P060C32D
40	OM31P060C40D	OM32P060C40D
50	OM31P060C50D	OM32P060C50D
63	OM31P060C63D	OM32P060C63D
Rated current In(A)		
6	OM33P060C06D	OM34P060C06D
10	OM33P060C10D	OM34P060C10D
13	OM33P060C13D	OM34P060C13D
16	OM33P060C16D	OM34P060C16D
20	OM33P060C20D	OM34P060C20D
25	OM33P060C25D	OM34P060C25D
32	OM33P060C32D	OM34P060C32D
40	OM33P060C40D	OM34P060C40D
50	OM33P060C50D	OM34P060C50D
63	OM33P060C63D	OM34P060C63D
	One pole rated voltage 250V T=5ms	Two pole rated voltage 500V T=4ms

OM3 DC High Breaking Capacity Mini Circuit Breaker

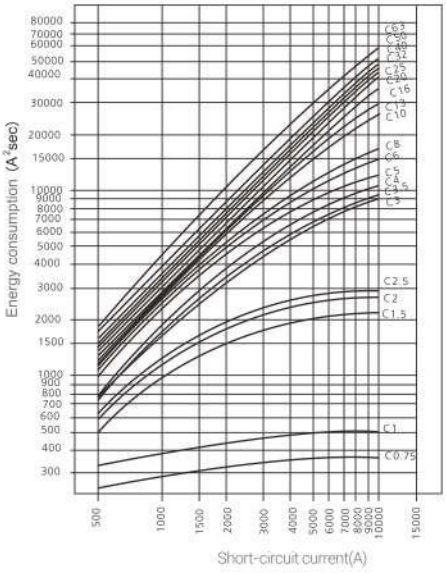
Load Capability

Applied to monopole OM3 series
Corresponding temperature and the permissible working load of switches: $I_{cx}=I_nK_t(T)K_n(N)$

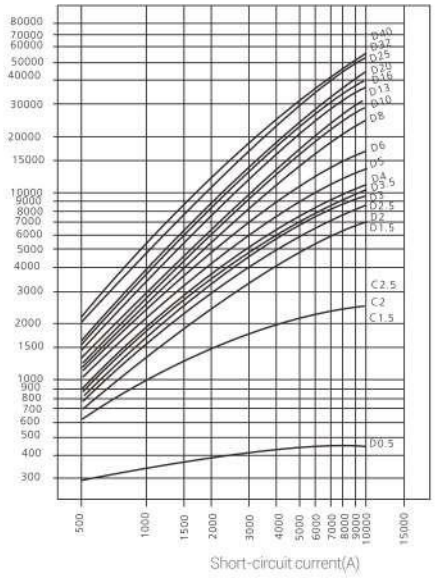


Power Consumption

Standard of EN60898(IEC898)



OM3' series maximum energy consumption, C curve, 1P



OM3' series maximum energy consumption, D curve, 1P

The influence of ambient temperature change to the load

	Environment T(°C)												
In(A)	-25	-20	-10	0	10	20	30	35	40	45	50	50	60
1	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.99	0.97	0.95	0.93	0.90	0.89
2	2.4	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.9	1.8	1.8
3	3.4	3.6	3.5	3.4	3.3	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.7
4	4.9	4.8	4.7	4.5	4.3	4.2	4.0	3.9	3.9	3.8	3.7	3.6	3.5
5	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.9	4.8	4.7	4.6	4.5	4.4
6	7.3	7.2	7.0	6.7	6.5	6.3	6.0	5.9	5.8	5.7	5.6	5.4	5.3
10	12	12	12	11	11	10	10	9.9	9.7	9.5	9.3	9.0	8.9
15	18	18	17	17	16	16	15	15	15	14	14	14	13
16	20	19	19	18	17	17	16	16	16	15	15	14	14
20	24	24	23	22	22	21	20	20	19	19	19	18	18
25	31	30	29	28	27	26	25	25	24	24	23	23	22
32	39	38	37	36	35	33	32	32	31	30	30	29	28
40	49	48	47	45	43	42	40	39	39	38	37	36	35
50	61	60	58	56	54	52	50	49	48	47	46	45	44
63	77	76	73	71	68	66	63	62	61	60	58	57	56

OM3 DC High Breaking Capacity Mini Circuit Breaker

OM3 and the short circuit capacity of Fuse Do or NH

1.4 high selectivity is up to 1.4kA; No selectivity

The selectivity of Fuse D01,D02,D03

MCB(OM3) Rated current		(A)(IEC269-1) Fuse gl rated current(A)(IEC269-1)								
		10	16	20	25	35	50	63	80	100
C characteristic curve	1	<0.5	10	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	2	<0.5	<0.5	0.5	0.7	10.0	10.0	10.0	10.0	10.0
	3	<0.5	<0.5	<0.5	0.6	1.9	5.2	10.0	10.0	10.0
	4	<0.5	<0.5	<0.5	0.6	1.6	4.0	7.6	10.0	10.0
	6		<0.5	<0.5	<0.5	1.2	2.7	4.5	10.0	10.0
	10			<0.5	<0.5	1.2	2.3	3.1	5.4	10.0
	16					1.1	2.1	2.8	5.4	9.5
	20					1.0	1.1	2.6	4.0	8.3
	25						1.0	2.5	3.8	7.8
	32							2.5	3.7	7.3
	40								3.5	7.0
	50									6.5
	63									5.9
D characteristic curve	1	<0.5	<0.5	0.7	1.3	10.0	10.0	10.0	10.0	10.0
	2	<0.5	<0.5	0.6	0.8	2.2	6.7	10.0	10.0	10.0
	3	<0.5	<0.5	0.5	0.7	1.8	4.8	9.3	10.0	10.0
	4		<0.5	0.5	0.7	1.7	4.6	7.7	10.0	10.0
	6			<0.5	0.5	1.3	2.9	4.5	9.0	10.0
	10				0.5	1.1	2.2	3.0	5.0	10.0
	16						1.9	2.6	3.9	9.0
	20						1.7	2.3	3.5	8.0
	25							2.2	3.4	7.5
	32								2.9	6.5
	40									5.7

The selectivity of Fuse NH-00

MCB(OM3) Rated current		(A)(IEC269-1) Fuse gl rated current(A)(IEC269-1)										
		10	16	20	25	35	50	63	80	100	125	160
C characteristic curve	1	0.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	2	<0.5	0.6	1.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	3	<0.5	<0.5	0.7	1.8	2.6	4.7	6.6	10.0	10.0	10.0	10.0
	4	<0.5	<0.5	0.7	1.5	2.1	3.6	5.0	10.0	10.0	10.0	10.0
	6	<0.5	<0.5	0.5	1.2	1.5	2.5	3.3	5.7	10.0	10.0	10.0
	10			0.5	1.0	1.4	2.0	2.5	3.8	8.0	10.0	10.0
	16				1.0	1.3	1.8	2.3	3.3	6.0	8.8	10.0
	20				1.0	1.2	1.7	2.2	3.2	5.5	7.7	10.0
	25						1.6	2.1	3.0	5.2	7.3	10.0
	32							2.1	2.9	5.0	7.0	10.0
	40								2.8	4.8	6.7	10.0
	50									4.5	6.3	9.5
	63										5.9	8.4
D characteristic curve	1	<0.5	<0.6	1.4	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	2	<0.5	<0.5	0.8	2.1	3.1	6.0	8.6	10.0	10.0	10.0	10.0
	3	<0.5	<0.5	0.7	1.7	2.4	4.3	6.0	10.0	10.0	10.0	10.0
	4	<0.5	<0.5	0.4	1.6	2.2	3.8	5.2	10.0	10.0	10.0	10.0
	6		<0.5	0.5	1.2	1.6	2.6	3.3	5.5	10.0	10.0	10.0
	10			0.5	1.0	1.3	1.9	2.5	3.6	7.2	10.0	10.0
	16					1.1	1.6	2.0	3.0	5.5	8.0	10.0
	20						1.4	1.8	2.8	5.0	7.5	10.0
	25							1.8	2.7	4.8	7.0	10.0
	32								2.4	4.1	6.2	9.3
	40									4.0	6.0	9.0

OM3PC DC Miniature Circuit Breaker

Application

Short circuit protection

Overload protection

Control

Isolation

Application

It is suitable for photovoltaic DC system to protect the overload and short circuit of photovoltaic DC line, and can also be used in communication, electric power, locomotive and other industries. At the same time, it can also be manually disconnected when necessary. For example, a circuit needs to be disconnected during maintenance to avoid the risk of electric shock during maintenance work.

Technology Specification

Technology Specification

Certification		Get IEC report
Connfrom to standard of electrical		IEC60947-2 GB/T 14048.2
Rated working voltage		1P 300V DC
		2P 600V DC
		3P 900V DC
		4P 1200V DC
Impulse withstand voltage		6kV
Rated operating breaking capacity		6kA
Trip Characteristics	B Type	4In-7In
	C Type	7In-15In
Disconnection instructions		A green sign on the indicator window indicates that the contacts are in the open position

Mechanical Parameters

Enclosure IP rating	IP40 (After installation)
External length (A) (Refer to the dimension drawing)	45.5mm
External height (B) (Refer to the dimension drawing)	80.4mm
External width (C) (Refer to the dimension drawing)	17.7mm (1P)
Terminal type	Dual-purpose terminal for connecting busbars and conductor.
Terminal wiring capability	Conductor 1mm^2-25mm^2, Busbar thickness 0.8mm-2mm
Modular structure	Can be easily mounted on IEC standard rails (35mm)

OM3PC DC Miniature Circuit Breaker

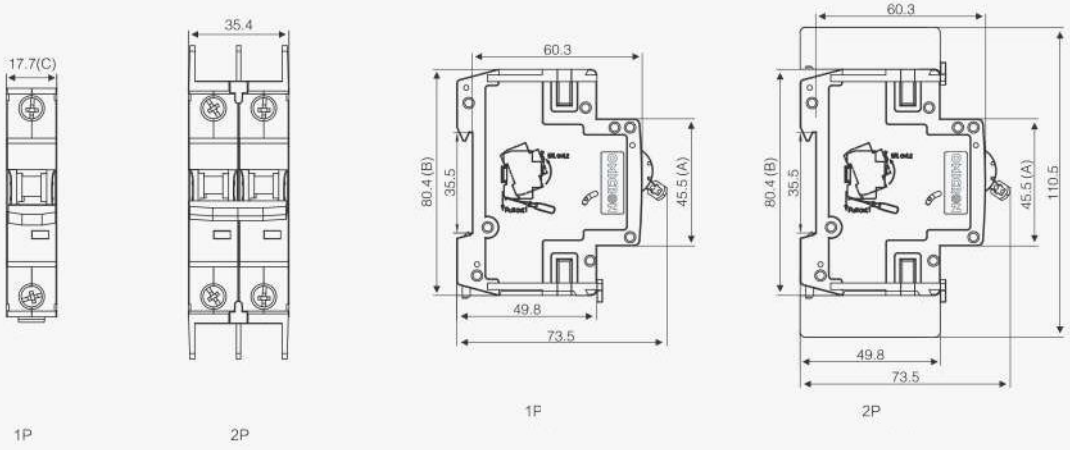
Other Parameters

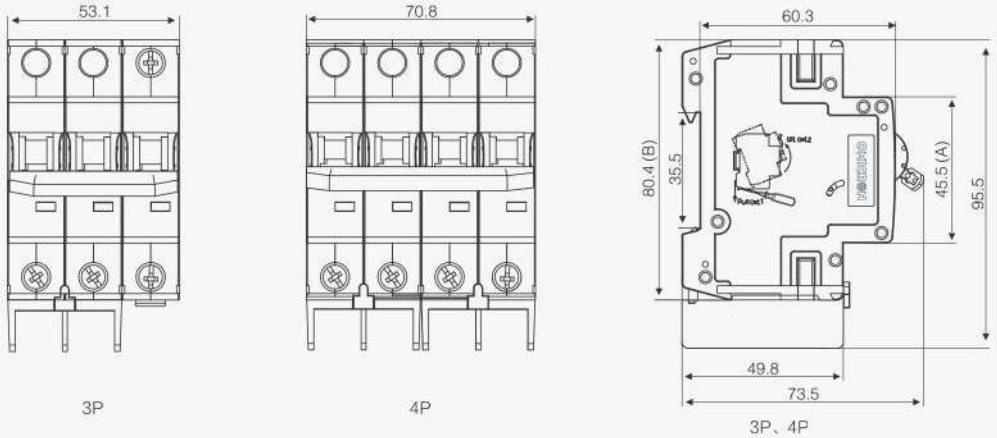
Electrical life	Electrical life	10,000
	Mechanical life	20,000
Ambient	Operation ambient temperature	-5°C~+40°C
	Storage ambient temperature	-25°C~+70°C
Heat and humidity resistance		Class 2 (95% relative humidity at 55 °C)

Weight (g)

(63A) Type (63A)	Weight
1P	110
2P	228
3P	340
4P	466

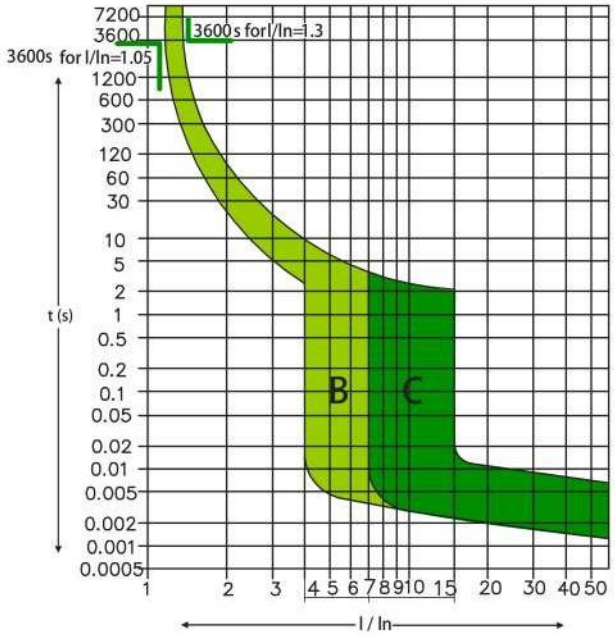
Outline and Installaiton Dimensions





OM3PC DC Miniature Circuit Breaker

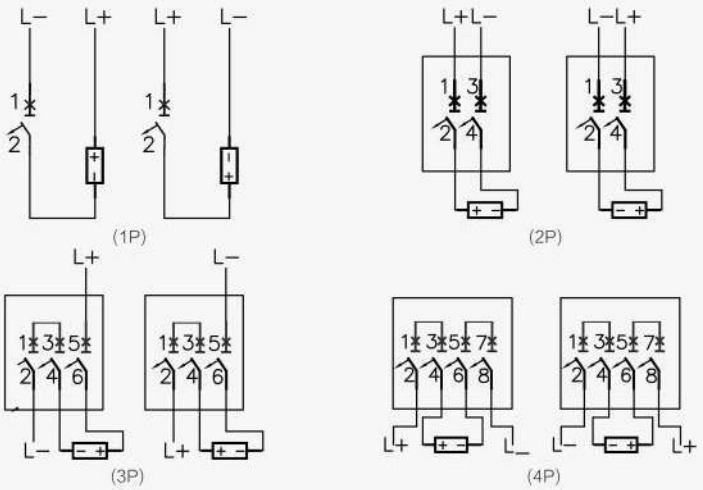
Charcteristics Curve



Electrical Connections

This photovoltaic DC circuit breaker has no positive or negative polarity, and there is no need to distinguish between positive and negative when connecting to the DC power supply. However, when connecting the load, it should be noted that the positive and negative polarities of the power supply should correspond to the positive and negative polarities of the load.

1P/OM31PC63D	2P/OM32PC63D	3P/OM33PC63D	4P/OM34PC63D
300V DC	600V DC	900V DC	1200V DC



Remarks

1. L+ Positive power supply, L- Negative power supply

2.  Overload

OM3N 1N Mini Circuit Breaker

Technology Specification

Conform to standard	IEC898(EN60898)、GB/T 10963.1
Rated voltage	230V; 50/60Hz
Rated breaking capacity	6kA
Rated current	6-40A
Trip charetor	B, C Type charcteristics curve
Max fuse than can be connected to	100A gL/gG(>6kA)
Selection grade	3
Work environment temperature	-5°C-+40°C
Case protection grade	IP40
Electrical life	Not less of 8000 times switching aperation

Mechanical Parameters

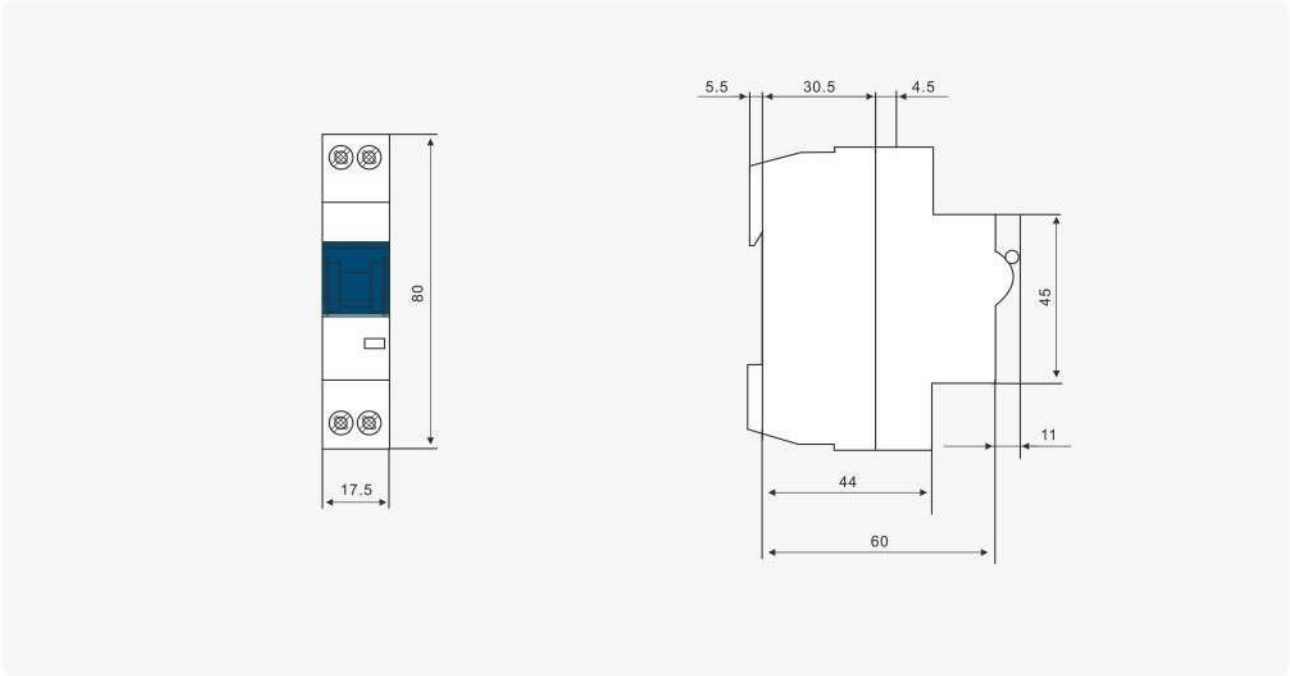
Installation mode	
The length of exposed plane	45mm
Enclosure height	80mm
Enclosure width	17.5mm(1P+N)
Installation method	The accord IEC 35mm rail
Terminal manner	Terminal connection of exaltation
Terminal block capability	1-16mm^2

OM3N 1N Mini Circuit Breaker

Accessories

Auxilicary contact	OM3Z-AHK	(Refer to P33)
Contact with alarm indication	OM3Z-NHK	(Refer to)P33)
Generatrix line	OMZLVIV-10/:..	(Refer to P35)

Outline and Installaiton Dimensions



Main Feature

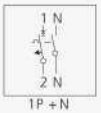
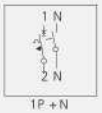
High breaking capability up to 6kA

Small dimension and one modular quantity width

Wide cureent scope up to 40A

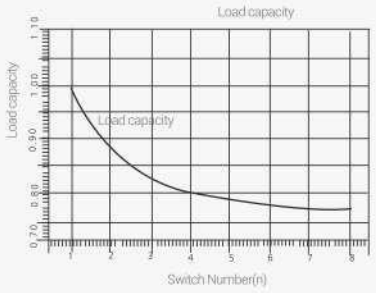
Different hand handle color indicates different rated cureent

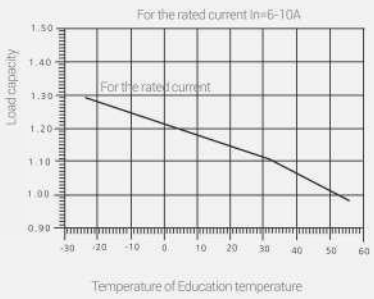
OM3N 1N Mini Circuit Breaker

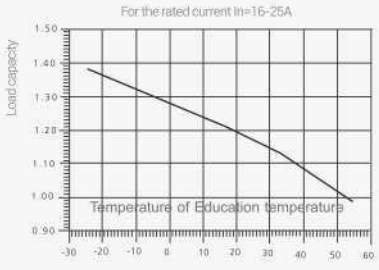
		1P	1P
Performace of the functions of overload and short-circuit protection Suitable for protection to the civil lighting and socket circuit. The neutral line break for safer and more reliable. C Type charcteristics curve			
	Rated current In(A)		
	6	OM3NPNB06	OM3N1PNC06
	10	OM3NPNB10	OM3N1PNC10
	16	OM3NPNB16	OM3N1PNC16
	20	OM3NPNB20	OM3N1PNC20
	25	OM3NPNB25	OM3N1PNC25
	32	OM3NPNB32	OM3N1PNC32
	40	OM3NPNB40	OM3N1PNC40

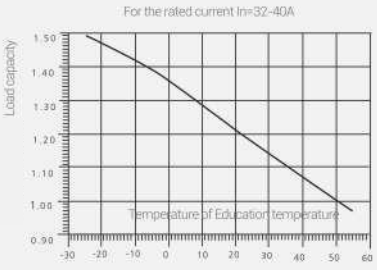
Load Capability

Suitable for the series OM3N of one modular quantity
Allowable load under environmental temperature T(°C) and n qauntities of switches working state:
$I_{cL}=I_nK_t(T)K_n(N)$



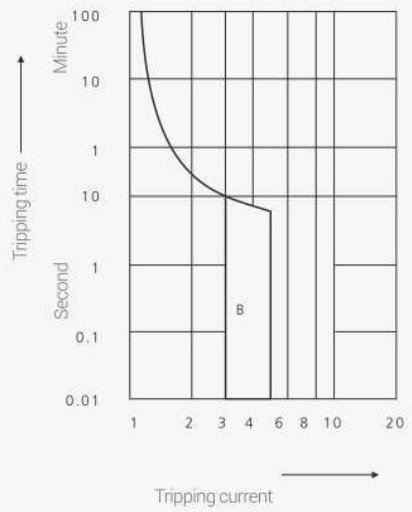




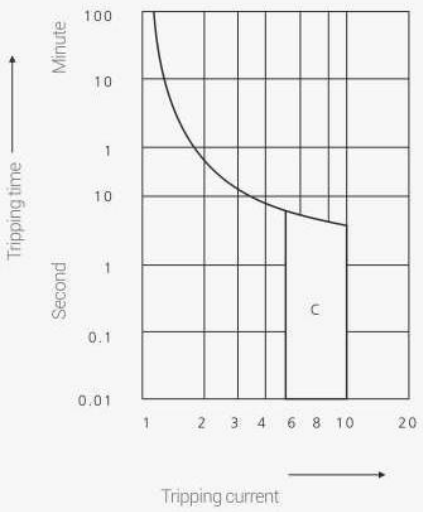


OM3N 1N Mini Circuit Breaker

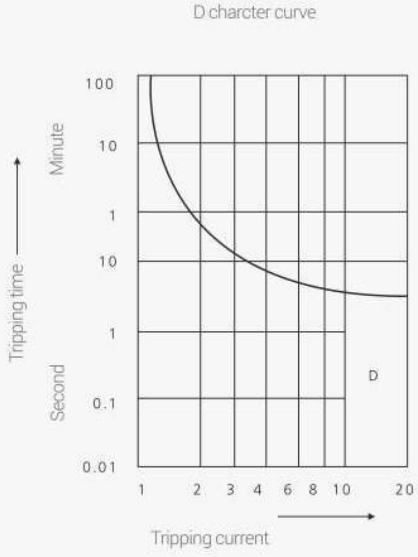
B charcter curve



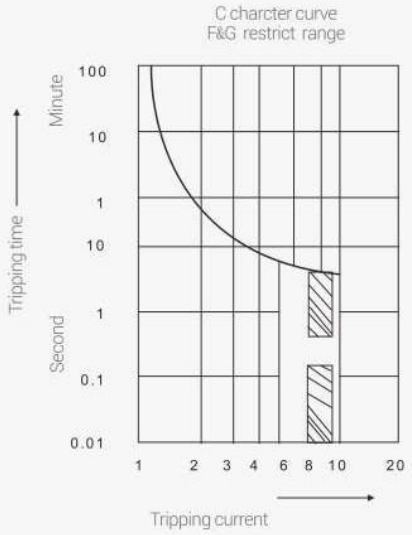
C charcter curve



D charcter curve



C charcter curve
F&G restrict range



Tripping character meets the standard of IEC898(EN60898)

B character curve: Usually used for lighting distribution systems.

C character curve: Usually used for lighting distribution, socket loop and some power distribution systems.

D character curve: Usually used for power load or other inductive load circuit

OM3N 1N Mini Circuit Breaker

OM3 1N and the short circuit capacity of Fuse Do or NH

1.4 high selectivity is up to 1.4kA; No selectivity

The capability of Fuse D01,D02,D03

Rated current of UKB71 1N		Fuse gl rated current(A)							
		16	20	25	35	50	63	80	100
16	6	<0.5	0.6	0.9	2.3	5.0	6.0	6.0	6.0
<0.5	10		0.5	0.7	1.5	3.0	4.5	6.0	6.0
C characteristic curve	13		0.5	0.7	1.3	2.7	4.0	6.0	6.0
	20			0.6	1.1	2.2	3.0	5.5	6.0
	16			0.6	1.1	2.1	2.9	5.2	6.0
	25			0.5	1.0	2.0	2.7	4.8	6.0
	32			0.5	1.0	1.9	2.6	4.5	6.0
	40			0.5	0.9	1.7	2.3	4.0	6.0

The selectivity of Fuse NH-100

Rated current of		Fuse gl rated current(A)							
		16	20	25	35	50	63	80	100
16	6	<0.5	0.5	0.8	2.1	4.5	5.7	6.0	6.0
<0.5	10			0.6	1.4	2.8	3.5	5.2	6.0
C characteristic curve	13			0.6	1.3	2.5	3.1	4.9	6.0
	20			0.5	1.0	2.0	2.5	3.8	6.0
	16			0.5	0.9	1.8	2.3	3.5	6.0
	25			0.5	0.9	1.6	2.1	3.3	6.0
	32				0.8	1.4	2.0	3.1	6.0
	40				0.8	1.4	1.9	2.9	6.0

Practice Experience

To adjust the tripping current from 5-10In to 7-9.5In could avoid the false tripping when the equipment isn't easy to start.

OM3 Mini Circuit Breaker

Technology Specification

Conform to standard	IEC947.2(EN60947.2)、GB/T 14048.2
Rated voltage	230/400V; 50/60Hz
Rated breaking capacity	25kA
Trip charetor	C,D Type charcteristics curve
Max fuse than can be connected to	200A gL(>20kA)
Selection grade	3
Work environment temperature	−5°C−+40°C
Case protection grade	IP40 (Install after)
Electrical life	Not less of 8000 times switching aperation

Mechanical Parameters

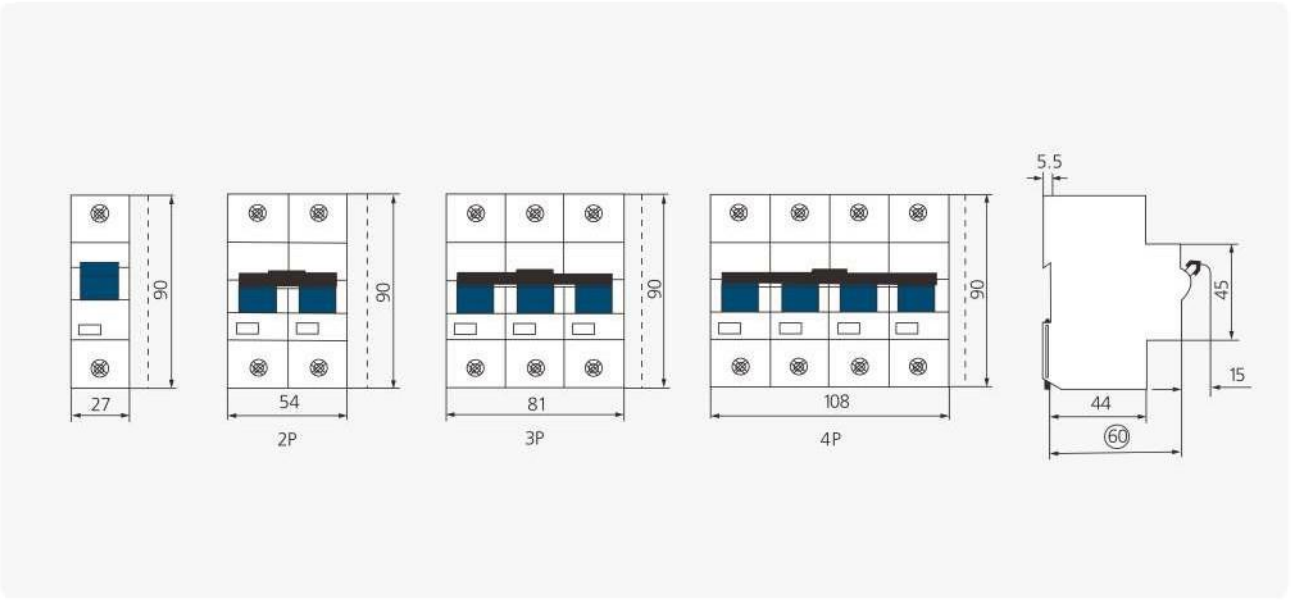
Installation mode	
The length of exposed plane	45mm
Enclosure height	90mm
Enclosure width	27mm every pole (monopole)
Installation method	The accord IEC 35mm rail
Terminal manner	Terminal connection of exaltation
Terminal block capability	1−16mm²

OM3 Mini Circuit Breaker

Accessories

Auxilicary contact	(Refer to P32)
Contact with alarm indication	(Refer to P23)
	(Refer to P32)

Outline and Installaiton Dimensions



Main Feature

Extremely high breaking capacity and current limiting characteristic

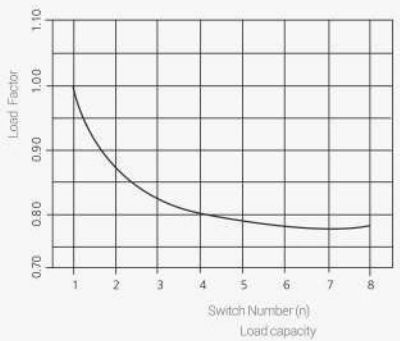
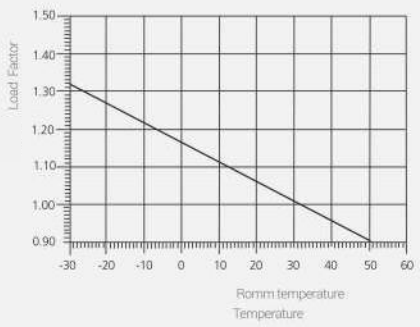
With contactor condition indicator

With specifi c-purpose accessories

OM3 Mini Circuit Breaker

			1P	2P
Applied to short circuit and over loading protection in the electric circuits for industrial, business or civil purposes.				
C Type charcteristics curve	Rated current In(A)	Rated breaking capacity In(A)		
Transient tripping 5-10In Mainly for distribution protection in business or civil building use with instantaneous	20	25	OM31P250C020	OM32P250C020
	25	25	OM31P250C025	OM32P250C025
	32	25	OM31P250C032	OM32P250C032
	40	25	OM31P250C040	OM32P250C040
	50	25	OM31P250C050	OM32P250C050
D Type charcteristics curve	63	25	OM31P250C063	OM32P250C063
	80	25	OM31P250C080	OM32P250C080
	100	25	OM31P250C100	OM32P250C100
Transient tripping 10-20In Mainly for distribution use in industrial power drive	125	25	OM31P250C125	OM32P250C125
	50	25	OM31P250D050	OM32P250D050
	63	25	OM31P250D063	OM32P250D063
	80	25	OM31P250D080	OM32P250D080
	100	25	OM31P250D100	OM32P250D100

Load Capability

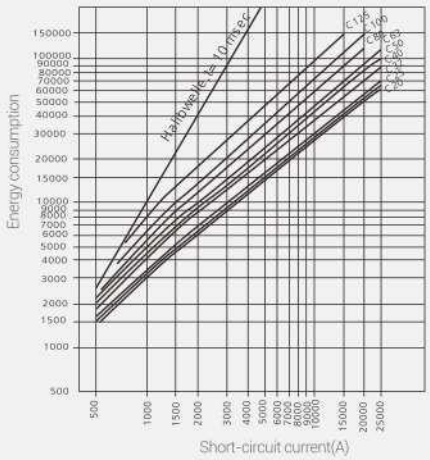
Suitable for the monopole series OM3 Allowable load under environmental temperature T(°C) and n qauntities of switches working state: $I_{\alpha}=I_nK_t(T)K_n(N)$		

OM3 Mini Circuit Breaker

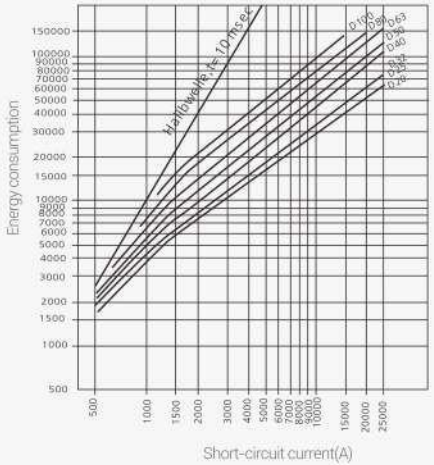
			3P	4P
Applied to short circuit and over loading protection in the electric circuits for industrial, business or civil purposes.				
C Type charcteristics curve Transient tripping 5-10In Mainly for distribution protection in business or civil building use with instantaneous	Rated current In(A)	Rated breaking capacity In(A)		
	20	25	OM33P250C020	OM34P250C020
	25	25	OM33P250C025	OM34P250C025
	32	25	OM33P250C032	OM34P250C032
	40	25	OM33P250C040	OM34P250C040
	50	25	OM33P250C050	OM34P250C050
	63	25	OM33P250C063	OM34P250C063
D Type charcteristics curve	80	25	OM33P250C080	OM34P250C080
	100	25	OM33P250C100	OM34P250C100
	125	25	OM33P250C125	OM34P250C125
Transient tripping 10-20In Mainly for distribution use in industrial power drive	50	25	OM33P250D050	OM34P250C050
	63	25	OM33P250D063	OM34P250C063
	80	25	OM33P250D080	OM34P250C080
	100	25	OM33P250D100	OM34P250C100

Power Consumption

Standard of EN60898



I OM3series maximum energy consumption, D curve, 1P



OM3 series maximum energy consumption, D curve, 1P

OM3 Mini Circuit Breaker

OM3 and the short circuit capacity of Fuse D0 or NH

1.4 high selectivity is up to 1.4kA; [ ] No selectivity

The selectivity of Fuse D01,D02,D03

MCB Rated current		Fuse gl rated current(A)(IEC269-1)					
		25	35	50	63	80	100
C characteristic curve	20	<0.5	1.0	2.0	2.9	3.9	7.6
	25		1.0	1.9	2.8	3.8	7.3
	32		1.0	1.8	2.7	3.6	7.0
	40			1.6	2.2	3.0	5.6
	50				2.1	2.8	5.2
	63					2.7	4.8
	80						4.3
	100						
	125						
D characteristic curve	20	<0.5	0.9	1.7	2.5	3.4	6.7
	25		0.9	1.6	2.3	3.2	6.2
	32		0.9	1.5	2.3	3.0	6.0
	40			1.4	2.0	2.6	4.7
	50				1.8	2.3	4.3
	63					2.1	3.7
	80						3.1
	100						

The selectivity of Fuse NH-00

MCB Rated current		Fuse gl rated current(A)(IEC269-1)									
		25	35	40	50	63	80	100	125	160	200
C characteristic curve	20	<0.5	1.0	1.3	1.9	2.9	3.7	6.7	17.0	25.0	25.0
	25		0.9	1.3	1.8	2.8	3.5	6.5	17.0	25.0	25.0
	32		0.9	1.2	1.7	2.7	3.3	6.0	15.0	23.0	25.0
	40				1.4	2.2	2.9	4.8	12.0	18.0	25.0
	50					2.1	2.7	4.5	11.0	17.0	25.0
	63							4.2	10.0	15.0	25.0
	80							3.8	8.5	12.0	25.0
	100								7.0	10.0	25.0
	125									7.5	25.0
D characteristic curve	20	<0.5	0.8	1.1	1.5	2.3	3.1	5.6	16.0	25.0	25.0
	25		0.7	1.0	1.4	2.1	3.0	5.3	14.0	23.0	25.0
	32		0.7	1.0	1.3	2.1	2.9	5.0	13.0	22.0	25.0
	40				1.1	1.8	2.5	4.2	10.0	15.0	25.0
	50					1.6	2.3	3.8	8.5	13.0	22.0
	63						2.1	3.2	7.0	10.5	18.0
	80							2.8	5.5	8.4	15.0
	100								4.8	7.5	12.5

OMSB Safety Breaker

OMSB50 OMSBH

OMSB50L OMSB50HL

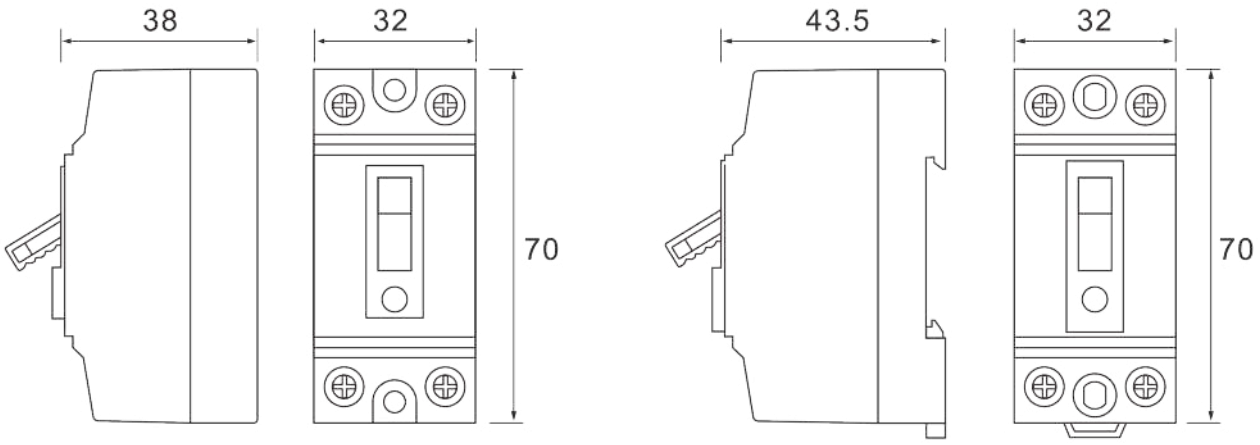
Model and Meanings

OMSB Safety Breaker

Technology Specification

Conform to standard	IEC 60947-2 GB/T 14048.2			
	OMSB50	OMSB50H	OMSB50L	OMSB50HL
Rated voltage	AC230V; 50/60Hz			
Rated breaking capacity	1.5kA			
Rated current	10A 15A 16A 30A 32A 40A			
Residual operation current (I△n)	/	/	30mA	30mA
Case protection grade	Ip40			
Installation method	DIN-Rail Mounting			DIN-Rail Mounting
Electrical life	Not less of 8000 tmies switching aperation			

Outline and Installaiton Dimensions

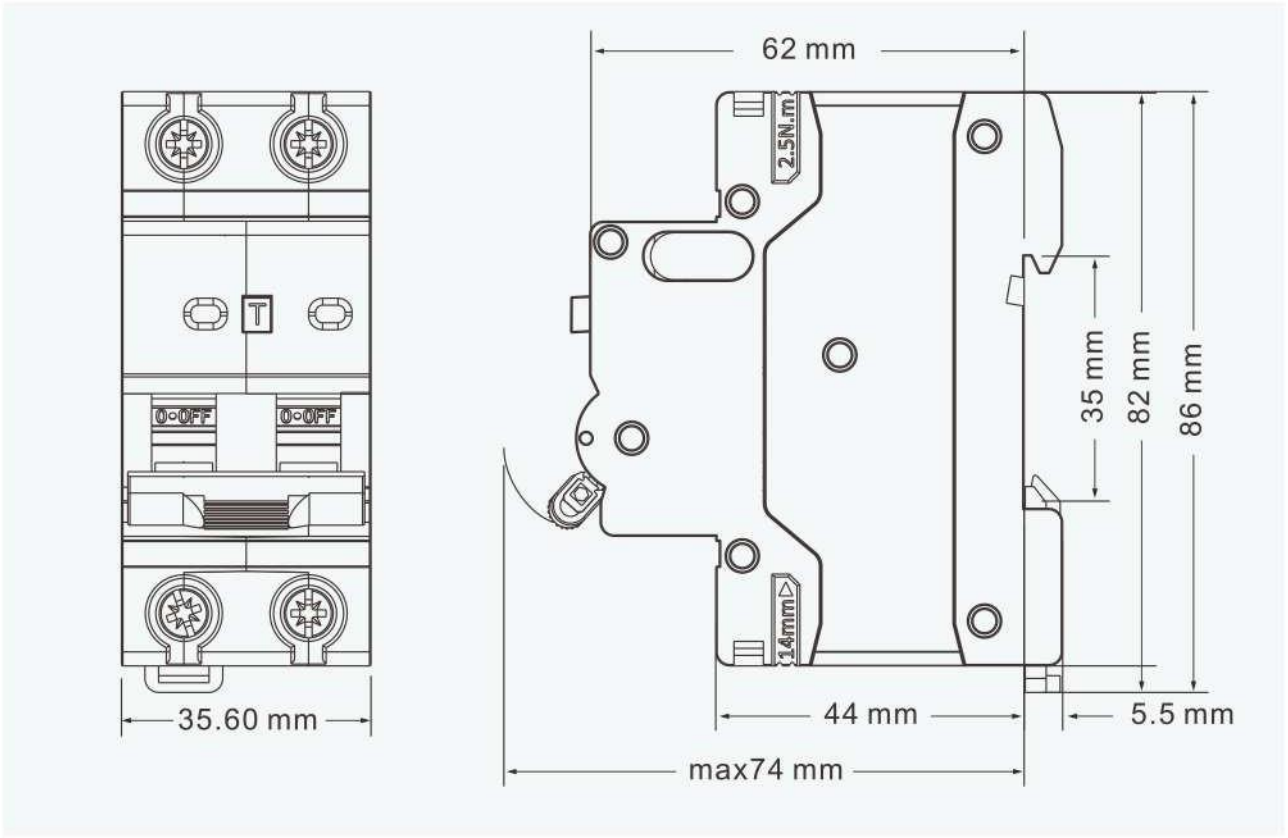


OML Residual Circuit Breaker With Overcurrent Protection

Application

This Electronic type 1P+N RCBO is widely used in Commercial, Residential and industrial applications orPower Distribution Units providing a good protection against earth fault/leakage current, short-circuit,overload, and function of isolation.

Outline and Installaiton Dimensions



OML Residual Circuit Breaker With Overcurrent Protection

Technology Specification

Technology Specification

Standards		IEC/EN 61009-1 AS/NZS 61009.1
Residual operating characteristics		A,AC
Pole No.		1P+N
Tripping curve		B,C
Rated current		6,10,13,16,20,25,32,40,50,63A(4.5kA/6kA)
		6,10,13,16,20,25,32,40A(10kA)
Rated voltage		230/240V~
Rated frequency		50/60Hz
Rated residual making and breaking capacity ($I_{\Delta}m$)		2000A
Rated residual operating current ($I_{\Delta}n$)		30,100,300mA
Rated short-circuit capacity (Icn)		4.5kA / 6kA / 10kA
Energy limiting classes		3
Rated impulse voltage breakdown type limit		4kV
Serivce life (O~CO)	Mechanical life	20000
	Standard value	8500
	Electrical life	10000
	Standard value	1500
Protection grade	All sides	IP40
	Connection prot	IP20
Rated insulation voltage		690V
Handle lock		ON/OFF position
Connection ability		1~35mm^2
Use ambient temperature		-30~+70°C
Humidity and heat resistance		2
Altitude		≤2000
Relative humidity of air		+20°C≤95%, +40°C≤50%
Pollution grade		3
Installation enviroment		Without significant vibration and impact
Installation category		III
Installation mode		DIN standard guide rail

OML Residual Current Circuit Breaker

Technology Specification

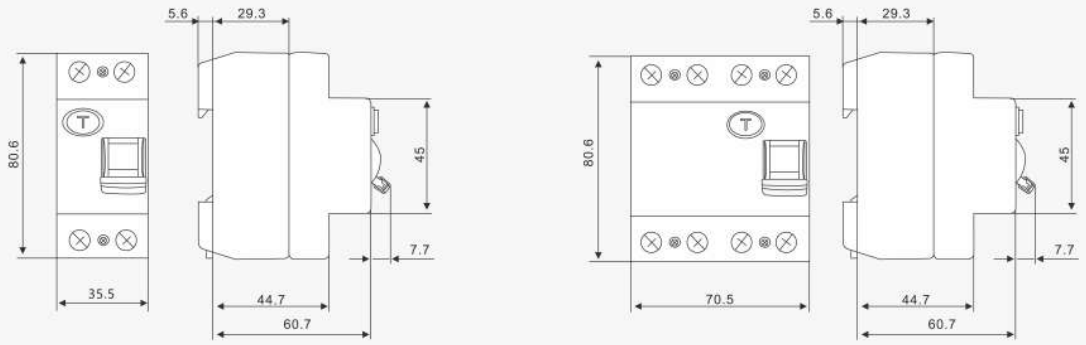
Conform to standard	IEC61008(EN61008)、GB/T 16916.1
Earth leakage motion time	□Non-Extent time G Least 10ms Extent time S Least 40ms, Exteng time, selectivity6-40A
Rated voltage	230/400V; 50/60Hz
Rated current	16,25,40,63A
Rated earth leakage current	10,30,100,300,500mA
Be senstive to capability	AC Type A Type
Brief while able current	Contactor 63A Fuse
	Contactor 80A Fuse(F7-80)
Resist clime condition power	Standard of IEC61008
Case protection grade	IP40 (Install after)
Electrical life	Not less of 4000 times switching aperation
Moto life	Not less of 20000 times switching aperation

OML Residual Current Circuit Breaker

Mechanical Parameters

Installation mode	The standard IEC rail
Terminal block capability	Conductor1-25mm^2; Generatrix thickness 0.8-2mm
Enclosure width	(2 pole)35mm; (4 pole)70mm

Outline and Installaiton Dimensions



Unless specifi ed otherwise: The width of two-step swithc is two modulus, Four-step(3P+N) is four mdulus

Main Feature

Bilateral double-functional wiring terminal can connect generatrix and single core wire.

With contactor condition indicator

Various current specifications of creepage action can easily ensure selective protection.

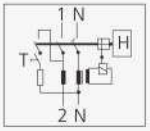
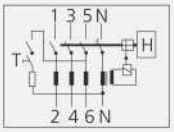
For prevention from unexpected trip due to swtich operations of electric equipment

OML Residual Current Circuit Breaker

Motion function is not related to main circuit voltage, suitable for leakage or auxiliary protection.

-25 ~ 10000

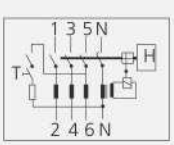
To prevent the false tipping caused by the switching operation of electronical equipment.

2P			4P		
					
Rated current(A)	Rated leakage current		Rated current(A)	Rated leakage current	
16	0.01	OML0102P16	25	0.03	OML0304P25
25	0.03	OML0302P25	25	0.10	OML1004P25
25	0.10	OML1002P25	40	0.03	OML0304P40
40	0.03	OML0302P40	40	0.10	OML1004P40
40	0.10	OML1002P40	40	0.30	OML3004P40
63	0.03	OML0302P63	40	0.50	OML5004P40
63	0.10	OML1002P63	63	0.03	OML0304P63
63	0.30	OML3002P63	63	0.10	OML1004P63
80	0.10	OML1002P80	63	0.30	OML3004P63
80	0.30	OML3002P80	63	0.50	OML5004P63
			80	0.10	OML1004P80
			80	0.30	OML3004P80
			80	0.50	OML5004P80

Motion function is not related to main circuit voltage, suitable for leakage or auxiliary protection.

-25 ~ 10000

To prevent the false tipping caused by the switching operation of electronical equipment.

2P			4P		
					
Rated current(A)	Rated leakage current		Rated current(A)	Rated leakage current	
16	0.01	OML0102P16A	25	0.03	OML0304P25A
25	0.03	OML0302P25A	25	0.10	OML1004P25A
25	0.10	OML1002P25A	25	0.30	OML3004P26A
25	0.30	OML3002P25A	40	0.03	OML0304P40A
40	0.03	OML0302P40A	40	0.10	OML1004P40A
40	0.10	OML1002P40A	40	0.30	OML3004P40A
40	0.30	OML3002P40A	63	0.03	OML0304P63A
63	0.03	OML0302P63A	63	0.10	OML1004P63A
63	0.10	OML1002P63A	63	0.30	OML3004P63A
63	0.30	OML3002P63A	80	0.10	OML1004P80A
80	0.03	OML0302P80A	80	0.30	OML3004P80A
80	0.10	OML1002P80A			
80	0.30	OML3002P80A			

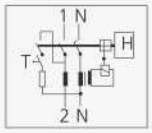
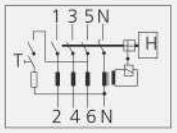
OML Residual Current Circuit Breaker

Motion function is not related to main circuit voltage, suitable for leakage or auxiliary protection.

-25

10000

To prevent the false tipping caused by the switching operation of electronical equipment.

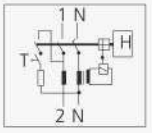
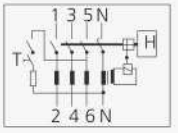
2P			4P		
					
Rated current(A)	Rated leakage current		Rated current(A)	Rated leakage current	
25	0.03	OML0302P25G	40	0.03	OML0304P40G
25	0.10	OML1002P25G	40	0.10	OML1004P40G
40	0.03	OML0302P40G	63	0.03	OML0304P63G
40	0.10	OML1002P40G	63	0.10	OML1004P63G
			80	0.10	OML1004P80G

Motion function is not related to main circuit voltage, suitable for leakage or auxiliary protection.

-25

10000

To prevent the false tipping caused by the switching operation of electronical equipment.

2P			4P		
					
Rated current(A)	Rated leakage current		Rated current(A)	Rated leakage current	
40	0.10	OML0302P40S	25	0.10	OML1004P25S
40	0.30	OML1002P40S	25	0.10	OML1004P25S
			40	0.10	OML1004P40S
			40	0.10	OML1004P40S
			40	0.30	OML3004P40S
			40	0.30	OML3004P40S
			63	0.10	OML1004P63S
			63	0.10	OML1004P63S
			63	0.30	OML3004P63S
			63	0.30	OML3004P63S

OML Residual Circuit Breaker With Overcurrent Protection

Technology Specification

Conform to standard	IEC61009(EN61009)、GB/T 16917.1
Trip time	☐Non-Extent time
	G Minimal 10ms time delay
Rated voltage	230V; 50Hz 230V/400V
Rated breaking capacity	10,30,100,300mA
Be senstive to capability	AC Type A Type
Selection grade	3
Rated breaking capability	10kA
Rated current	6-40A
Tripping character	B,C,D B,C,D characteristic curve
Maximum connected fuse	100Agl (>10kA)
Resist clime condition power	Standard of IEC61008
Case protection grade	IP40 (Install after)
Electrical life	Not less of 4000 times switching aperation
Moto life	Not less of 20000 times switching aperation

Mechanical Parameters

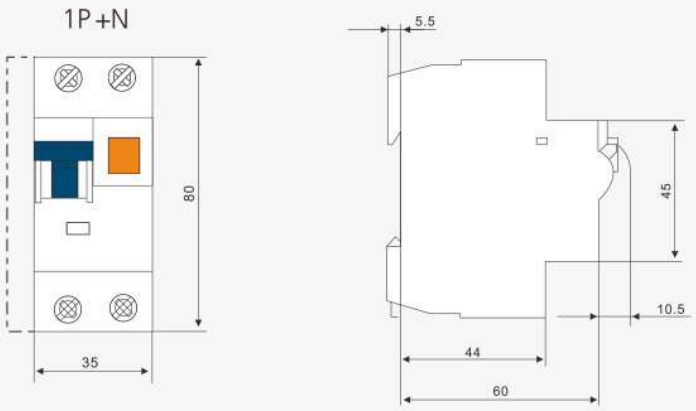
Installation mode	Installation at the DIN guide rail of 35mm
Terminal block capacity	Conductor 1-25mm²
	Generatrix thickness 0.8-2mm
Case height	35mm(1P+N)

OML Residual Circuit Breaker With Overcurrent Protection

Accessories

Contact with alarm indication	(Refer to P33)
Shunt release	(Refer to P33)
Long-distance disengaging templet	(Refer to P34)
Undervoltage release	(Refer to P34)

Outline and Installaiton Dimensions



Note: 1P+N is a two module width

Main Feature

Action function independent of the voltage of main circuit

The neutral line breaking could make the device safer and more reliable

Dual function terminal block, strong wiring ability

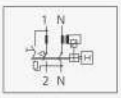
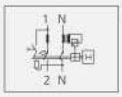
With contact status indicator for easy identification of contact situation

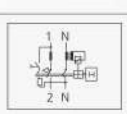
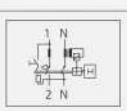
Different handle color indicates different rated current

Breaking capacity up to 10KA

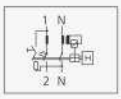
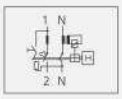
Wide rated current scope to serve as general switch at home service.

OML Residual Circuit Breaker With Overcurrent Protection

	1P+N			1P+N		
Integration of three protection functions of leakage, overload and short-circuit	☐ Surge protection 250A 			Ⓐ Surge protection 250A Pulsating DC sensitivity 		
	Rated current(A)	Rated leakage current		Rated current(A)	Rated leakage current	
To prevent the false tipping caused by the switching operation of electronical equipment. C Type charcteristics curve 10000 3	6	0.01	OML0101PNC06	6	0.01	OML0101PNC06A
	10	0.01	OML0101PNC10	10	0.01	OML0101PNC10A
	16	0.01	OML0101PNC16	16	0.01	OML0101PNC16A
	6	0.03	OML0301PNC06	6	0.03	OML0301PNC06A
	10	0.03	OML0301PNC10	10	0.03	OML0301PNC10A
	16	0.03	OML0301PNC16	16	0.03	OML0301PNC16A
	20	0.03	OML0301PNC20	20	0.03	OML0301PNC20A
	25	0.03	OML0301PNC25	25	0.03	OML0301PNC25A
	32	0.03	OML0301PNC32	32	0.03	OML0301PNC32A
	40	0.03	OML0301PNC40	40	0.03	OML0301PNC40A
	6	0.3	OML3001PNC06	6	0.3	OML3001PNC06A
	10	0.3	OML3001PNC10	10	0.3	OML3001PNC10A
	16	0.3	OML3001PNC16	16	0.3	OML3001PNC16A
	20	0.3	OML3001PNC20	20	0.3	OML3001PNC20A
	25	0.3	OML3001PNC25	25	0.3	OML3001PNC25A
	32	0.3	OML3001PNC32	32	0.3	OML3001PNC32A
	40	0.3	OML3001PNC40	40	0.3	OML3001PNC40A

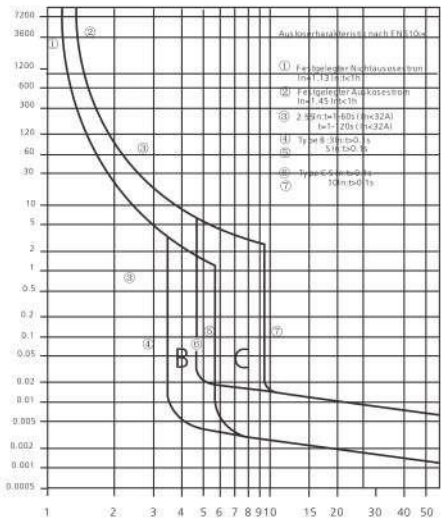
	1P+N			1P+N		
Integration of three protection functions of leakage, overload and short-circuit	☐ Surge protection to 3kA 			Ⓖ Surge protection to 3kA 		
	Rated current(A)	Rated leakage current		Rated current(A)	Rated leakage current	
To prevent the false tipping caused by the switching operation of electronical equipment. C Type charcteristics curve 10000 3	16	0.03	OML3001PNC16G	16	0.03	OML0301PNC16G
	20	0.03	OML3001PNC20G	20	0.03	OML0301PNC20G
	25	0.03	OML3001PNC25G	25	0.03	OML0301PNC25G
	32	0.03	OML3001PNC32G	32	0.03	OML0301PNC32G
	40	0.03	OML3001PNC40G	40	0.03	OML0301PNC40G

OML Residual Circuit Breaker With Overcurrent Protection

	2P			2P		
Integration of three protection functions of leakage, overload and short-circuit	☐ Surge protection 250A -25			Surge protection 250A Pulsating DC sensitivity -25		
	Rated current(A)	Rated leakage current		Rated current(A)	Rated leakage current	
To prevent the false tipping caused by the switching operation of electronical equipment.	6	0.03	OML0302PC06	6	0.03	OML0302PC06A
	10	0.03	OML0302PC10	10	0.03	OML0302PC10A
	16	0.03	OML0302PC16	16	0.03	OML0302PC16A
	20	0.03	OML0302PC20	20	0.03	OML0302PC20A
	25	0.03	OML0302PC25	25	0.03	OML0302PC25A
	32	0.03	OML0302PC32	32	0.03	OML0302PC32A
C Type charcteristics curve 10000 3	6	0.3	OML3002PC06			
	10	0.3	OML3002PC10			
	16	0.3	OML3002PC16			
	20	0.3	OML3002PC20			
	25	0.3	OML3002PC25			
	32	0.3	OML3002PC32			
	40	0.3	OML3002PC40			

Load Capability

Charcteristic curve Tripping



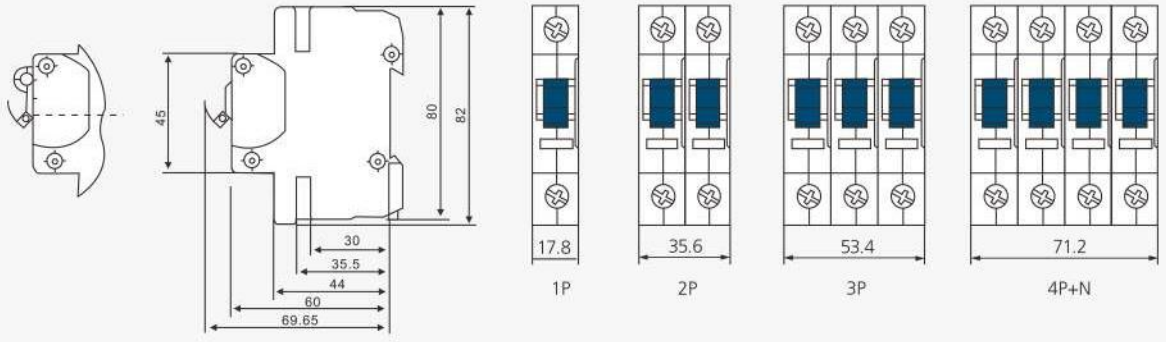
The influence of ambient temperature change to the load

	Environment T(°C)								
In [A]	-25	-20	-10	0	10	20	30	35	40
2	2.5	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9
4	4.9	4.8	4.7	4.5	4.3	4.2	4.0	3.9	3.9
5	6.2	6.0	5.8	5.6	5.4	5.2	5.0	4.9	4.8
6	7.4	7.2	7.0	6.7	6.5	6.3	6.0	5.9	5.8
8	9.9	9.6	9.3	9.0	8.7	8.4	8.0	7.9	7.7
10	12	12	12	11	11	10	10	9.9	9.7
12	15	14	14	13	13	13	12	12	12
13	16	16	15	15	14	14	13	13	13
15	19	18	17	17	16	16	15	15	15
16	20	19	19	18	17	17	16	16	15
20	25	24	23	22	22	21	20	20	19
25	31	30	29	28	27	26	25	25	24
32	40	38	37	36	35	33	32	32	31
40	49	48	45	45	43	42	40	39	39

OMX Isolating Switch

Rated voltage	240V/415V
Frequency	50/60Hz
Short circuit durability	After 100A current, the spare fuse reaches 25kA
Making & Breaking capacity	1.2In.:1.1Ue
Style of use	AC22
Coupling wire section	Max.50mm²
Case protection grade	IP40 (After installation)
Isolation	According to specifi c switch location state

Outline and Installaiton Dimensions



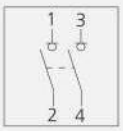
Main Feature

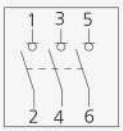
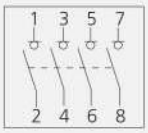
Double-functioned terminals

With contactor condition indicator

Lock attachable, with its hole diameter of 6mm or more

OMX Isolating Switch

		1P	2P
Used as main switch in the industrial, business or civil electric circuits Struchure features IEC947.3(EN60947.3)			
OAHK OMD7	Rated current In(A)		
	40	OMX1P040	OMX2P040
	63	OMX1P063	OMX2P063
	80	OMX1P080	OMX2P080
	100	OMX1P100	OMX2P100

		3P	4P
Used as main switch in the industrial, business or civil electric circuits Struchure features IEC947.3(EN60947.3)			
	Rated current In(A)		
	40	OMX3P040	OMX4P040
	63	OMX3P063	OMX4P063
	80	OMX3P080	OMX4P080
	100	OMX3P100	OMX4P100