

Miniature Circuit Breakers - 6kA

Technical Data

▪ Available
- Not Available

Product Name	Miniature Circuit Breakers - 6kA
Frame	MS Frame
Standards	EN/IEC 60898-1
Pole	1P, 2P, 3P, 4P, 1P+N
Tripping Characteristics	B,C & D
Protection	Overload and short circuit
Trpping Type	Thermal/ Magnetic release
Thermal operating Limit in AC Voltage	(1.13 - 1.45) x I _n
Thermal operating Limit in DC Voltage	(1.13 - 1.45) x I _n
Magnetic operating Limit in AC Voltage	B: (3-5) x I _n C: (5-10) x I _n D: (10-20) x I _n
Magnetic operating Limit in DC Voltage	B: (4-7) x I _n C: (7-15) x I _n
Rated current I _n	1, 2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63A
Rated breaking capacity I _{cn}	6kA
Rated insulation voltage U _i (V)	690
Rated Impulse withstand voltage, U _{imp} (V)	4000V
Rated voltage U _e (V)	
AC single pole U _e	240
AC multi-pole U _e	415
DC single pole U _n	220
DC multi-pole U _n	440
Frequency Hz	50/60
Accessories	
Auxiliary Contact	•
Shunt Trip (24 DC, 40V DC, 230 AC)	•
Alarm Switch	•
Over/Under Voltage Release	•
Mechanical endurance	10000
Electrical endurance	4000
Protection degree	IP20
Energy Limiting class	Class 3 4A to 32A Class 1 40A to 63A
Ambient Temperature	
Operating Temperature °C	-5....+50, Max 95% Humidity
Storage Temperature °C	- 40.... +70
Terminal Type	Lug type and Pin type
Altitude (Meters)	Max, 2000
Installation - DIN-rail Mounting (EN 50022)	Mounting on 35mm DIN rail
Terminal Size mm ²	16mm ² flexible or 25mm ² rigid up to 25A rating 25mm ² flexible or 35mm ² rigid for 32A to 63A rating

Loadline

MS & MSN Frame

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Single Pole MCBs

Current Rating (A)	B Type Cat. No.	C Type Cat. No.	D Type Cat. No.
1	MS1PB01	MS1PC01	MS1PD01
2	MS1PB02	MS1PC02	MS1PD02
4	MS1PB04	MS1PC04	MS1PD04
6	MS1PB06	MS1PC06	MS1PD06
10	MS1PB10	MS1PC10	MS1PD10
16	MS1PB16	MS1PC16	MS1PD16
20	MS1PB20	MS1PC20	MS1PD20
25	MS1PB25	MS1PC25	MS1PD25
32	MS1PB32	MS1PC32	MS1PD32
40	MS1PB40	MS1PC40	MS1PD40
50	MS1PB50	MS1PC50	MS1PD50
63	MS1PB63	MS1PC63	MS1PD63



Double Pole MCBs

Current Rating (A)	B Type Cat. No.	C Type Cat. No.	D Type Cat. No.
1	MS2PB01	MS2PC01	MS2PD01
2	MS2PB02	MS2PC02	MS2PD02
4	MS2PB04	MS2PC04	MS2PD04
6	MS2PB06	MS2PC06	MS2PD06
10	MS2PB10	MS2PC10	MS2PD10
16	MS2PB16	MS2PC16	MS2PD16
20	MS2PB20	MS2PC20	MS2PD20
25	MS2PB25	MS2PC25	MS2PD25
32	MS2PB32	MS2PC32	MS2PD32
40	MS2PB40	MS2PC40	MS2PD40
50	MS2PB50	MS2PC50	MS2PD50
63	MS2PB63	MS2PC63	MS2PD63



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Triple Pole MCBs

Current Rating (A)	B Type Cat. No.	C Type Cat. No.	D Type Cat. No.
1	MS3PB01	MS3PC01	MS3PD01
2	MS3PB02	MS3PC02	MS3PD02
4	MS3PB04	MS3PC04	MS3PD04
6	MS3PB06	MS3PC06	MS3PD06
10	MS3PB10	MS3PC10	MS3PD10
16	MS3PB16	MS3PC16	MS3PD16
20	MS3PB20	MS3PC20	MS3PD20
25	MS3PB25	MS3PC25	MS3PD25
32	MS3PB32	MS3PC32	MS3PD32
40	MS3PB40	MS3PC40	MS3PD40
50	MS3PB50	MS3PC50	MS3PD50
63	MS3PB63	MS3PC63	MS3PD63



Four Pole MCBs

Current Rating (A)	B Type Cat. No.	C Type Cat. No.	D Type Cat. No.
1	MS4PB01	MS4PC01	MS4PD01
2	MS4PB02	MS4PC02	MS4PD02
4	MS4PB04	MS4PC04	MS4PD04
6	MS4PB06	MS4PC06	MS4PD06
10	MS4PB10	MS4PC10	MS4PD10
16	MS4PB16	MS4PC16	MS4PD16
20	MS4PB20	MS4PC20	MS4PD20
25	MS4PB25	MS4PC25	MS4PD25
32	MS4PB32	MS4PC32	MS4PD32
40	MS4PB40	MS4PC40	MS4PD40
50	MS4PB50	MS4PC50	MS4PD50
63	MS4PB63	MS4PC63	MS4PD63



Note: For 40°C ambient temperature, add '4' at the end of the Cat. no.