Mini Circuit Breaker

Electrical Features

Rated Current	16 A
Poles	2 P
Rated Voltage Ue	230/400 V~
Insulation Voltage Ui	500 V
Rated Frequency	50/60 Hz
Rated Breaking Capacity	10
Energy Limiting Class	3
Rated Impluse withstand Voltage	4,000 V
Dielectric Test Voltage	2 kV
Pollution Degree	2
Thermo-magnetic Release Characteristic	C

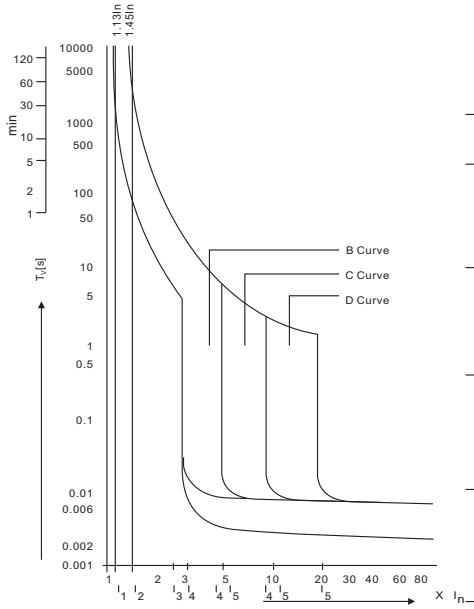
Mechanical Features

Electrical Life	8,000 Cycles
Mechanical Life	20,000 Cycles
Contact Position Indicator	Yes
Protection Degree	IP20
Reference Temperature for setting of thermal element	30 °C
Ambient Temperature	-5 °C ~ 40 °C
Storage Temperature	-25 °C ~ 70 °C

Installation

Terminal Connection Type	Cable/Pin-type busbar/U-type busbar
Terminal Size top/bottom for Cable	25 mm² 18-3 AWG
Terminal Size top/bottom for Busbar	25 mm² 18-3 AWG
Tightening Torque	2.5 Nm 22 In-lbs
Mounting	On DIN rail EN60715(35mm)
Connection	Power supply in both directions

Characteristics Curves



Thermal Tripping				Magnetic Tripping		
As per IEC60898	No tripping current	Tripping current I_2	Time Limits t	Hold current I_4	Trip current I_5	Time Limits t
B Curve	1.13×I_N	1.45×I_N	⩾1h <1h	3×I_N	5×I_N	⩾0.1s <0.1s
C Curve	1.13×I_N	1.45×I_N	⩾1h <1h	5×I_N	10×I_N	⩾0.1s <0.1s
D Curve	1.13×I_N	1.45×I_N	⩾1h <1h	10×I_N	20×I_N	⩾0.1s <0.1s

Tripping Characteristics

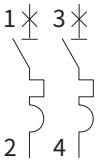
Based on the Tripping Characteristics, MCB are available in “B”, “C” and “D” curve to suit different types of applications.

“B” Curve for protection of electrical circuits with equipment that does not cause surge current (lighting and distribution circuits) Short circuit release is set to (3-5)In.

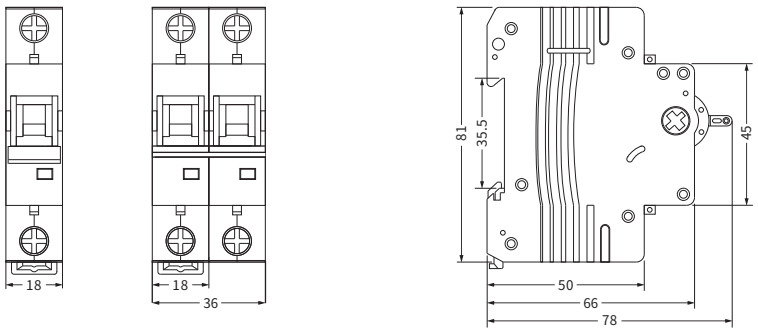
“C” Curve for protection of electrical circuits with equipment that cause surge current (inductive loads and motor circuits) Short circuit release is set to (5-10)In.

“D” Curve for protection of electrical circuits with cause high inrush current ,typically 12-15 times the thermal rated

Circuit Diagram



Overall and Installation Dimension(mm)



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