Technical Data

Electrical Features

Rated current In	63,80,100,125A
Poles	1P,1P+N,2P,3P,3P+N,4P
Rated voltage Ue	240/415V~
Insulation voltage Ui	500V
Rated frequency	50/60Hz
Rated breaking capacity	10,000A
Energy limiting class	3
Rated impulse withstand voltage(1.5/50) Uimp	4,000V
Dielectric test voltage at ind. Freq. for 1 min	2kV
Pollution degree	2
Thermo-magnetic release characteristic	8-12In

Mechanical Features

Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Protection degree	IP20
Reference temperature for setting of thermal element	30°C
Ambient temperature (with daily average≤35°C)	-5°C~+40°C
Storage temperature	-25°C~+70°C

Installation

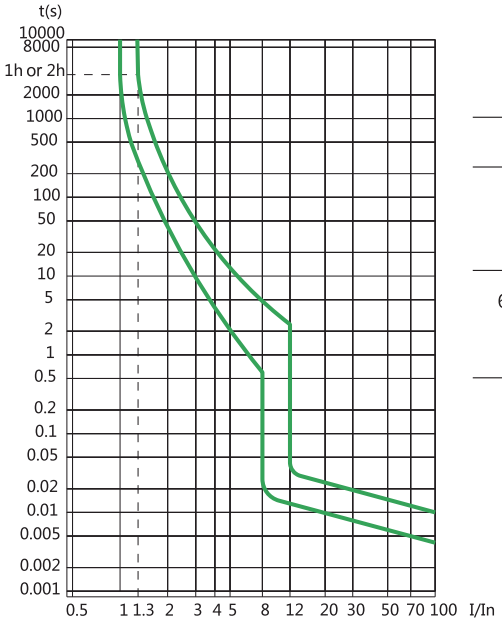
Terminal connection type	Cable/Pin-type busbar
Terminal size top/bottom for cable	50mm^2 18-2AWG
Terminal size top/bottom for busbar	50mm^2 18-2AWG
Tightening torque	3.5Nm 30In-lbs
Mounting	On DIN rail EN60715(35mm) by means of fast clip device
Connection	From top and bottom

Combination with accessories

Auxiliary contact	QM2-OF
Alarm contact	QM2-FB
Shunt release	QM2-MX
Over/Under voltage release	QM2-MV+MN

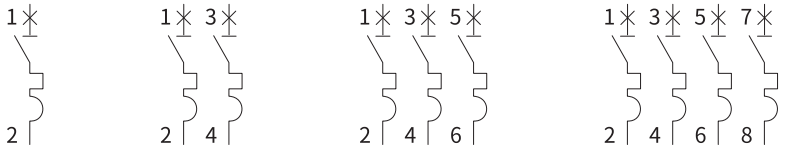
MCB Characteristics

Characteristics Curves



	Thermal Tripping			Magnetic Tripping		
As per IEC60947	No tripping current	Tripping current I_2	Time Limits t	Hold current I_4	Trip current I_5	Time Limits t
63-125A	1.05 I_N	1.30 I_N	⩾2h <1h	8 I_N	12 I_N	⩾0.2s <0.2s

Circuit Diagram



Overall and Installation Dimension(mm)