MCB

IS/IEC 60898-1

SENTRY Series — Miniature Circuit Breakers

Provides circuit protection against overload and short-circuit for everyday low-voltage electrical applications.



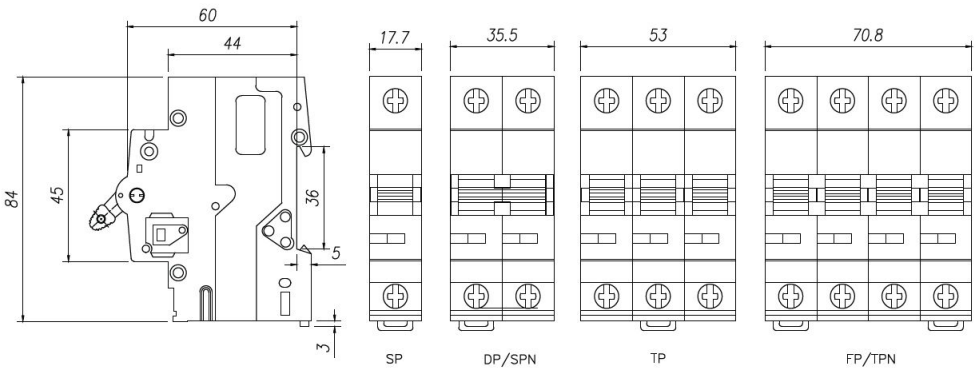
MCB Quickspecs	
Pole Options	1P / 2P / 3P / 4P
Curves	B / C / D
Rated Current In	0.5–63 A
Breaking Capacity (Icn)	10 kA
Ue (Rated operating voltage)	240 / 415 V
Standards	IEC 60898-1:2015

ELMEASURE®
Possibilities...Infinite

Technical Specifications



Parameters	Specification details
CONFIGURATION & BASIC RATINGS	
Available Pole Options	1 Pole / 2 Pole / 3 Pole / 4 Pole
Tripping Curves	B, C & D
Rated Current (In)	0.5–63 A
Rated Operational Voltage (Ue)	240/415 V
Rated Frequency	50 Hz
INSULATION & WITHSTAND RATINGS	
Rated Insulation Voltage (Ui)	690 V
Rated Impulse Withstand Voltage (Uimp)	4 kV
Rated Surge Voltage	2 kV
TRIP & SHORT-CIRCUIT PERFORMANCE	
Magnetic Release Setting	B (3–5A In) / C (5–10A In) / D (10–20A In)
Rated Short-circuit Breaking Capacity (Icn)	10 kA
Rated Service Short-Circuit Breaking Capacity (Ics)	7.5 kA
Rated Short-Circuit Making Capacity (Icm)	17 kA
DURABILITY & FUNCTIONAL	
Electrical Life	10,000 operations
Mechanical Life	10,000 operations
Contact Status Indication	Yes
ENVIRONMENTAL & OPERATING CONDITIONS	
Pollution Degree	2
Ingress Protection	IP20
Vibration	3 g
Reference Test Temperature	30°C
Operating Temperature	-25°C to +55°C (-13°F to 131°F) *(daily average < 35°C)*
Storage Temperature	-25°C to +70°C (-13°F to 158°F)
INSTALLATION & TERMINATION	
Mount	DIN rail
Installation Position	Vertical / Horizontal
Max. Termination Capacity—Hard/Solid wire	35 mm^2
Max. Termination Capacity—Flexible wire	25 mm^2
Tightening Torque	2.5 N m



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