

Product Technical Datasheet

Specifications



Miniature circuit breaker (MCB),
EQ9, 2P-SPN, 0.5A to 63A B
curve, 10kA (IS/IEC60898-1)

Main

Device application	Power Distribution
Range of product	EQ9
Product or component type	Miniature circuit-breaker
Poles description	2P
Number of protected poles	2
[In] rated current	0.5A to 63A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	B
Suitability for isolation	Yes conforming to IS/IEC 60898-1

Complementary

[Ue] rated operational voltage	240 V AC 50 Hz 415 V AC 50 Hz
Network frequency	50 Hz
Magnetic tripping limit	B Curve – 3-5 In
Breaking capacity	10 kA Icu at 230 / 440 V AC 50 Hz conforming to IS/IEC 60898-1
[Ics] rated service breaking capacity	7.5 kA conforming to IS/IEC 60898-1 - 220...240 V AC 50/60 Hz
Limitation class	Class 3 conforming to IS/IEC 60898-1
[Ui] rated insulation voltage	690 V AC 50 Hz conforming to IS/IEC 60898-1
[Uimp] rated impulse withstand voltage	4 kV conforming to IS/IEC 60898-1
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on

Mounting support	35 mm DIN rail
Comb busbar and distribution block compatibility	Top: YES
9 mm pitches	4
Height	72 mm
Width	35 mm
Depth	85.5 mm
Net weight	0.250 kg
Colour	RAL 7035, Grey
Mechanical durability	12000 cycles
Electrical durability	12000 cycles
Connections - terminals	Screw type terminals (top & bottom) 25 mm² flexible Screw type terminals (top & bottom) 35 mm² rigid Biconnect – top & bottom
Wire stripping length	13 mm for top or bottom connection
Tightening torque	2 N.m
Earth-leakage protection	Separate RCCB block
Overvoltage category	III

Environment

Standards	IS/IEC 60898-1
IP degree of protection	IP20
Pollution degree	3
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-30...70 °C
Ambient air temperature for storage	-40...85 °C

Packing Units

Unit Type of Package 1	Mono-carton
Number of Units in Package 1	1
Package 1 Height	73 mm
Package 1 Width	35 mm
Package 1 Length	92 cm
Package 1 Weight	270 g
Unit Type of Package 2	Carton (CAR)
Number of Units in Package 2	6
Package 2 Height	79 mm
Package 2 Width	97 mm
Package 2 Length	228 mm
Package 2 Weight	1.69 kg

Unit Type of Package 3	Carton (CAR)
Number of Units in Package 3	60
Package 3 Height	180 mm
Package 3 Width	230 mm
Package 3 Length	510 mm
Package 3 Weight	17.59 kg

Contractual warranty

Warranty (in months)	24
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