Product data sheet
Characteristics

A9F75225
miniature circuit breaker - iC60N - 2 poles - 25 A - D curve



Main

Circuit breaker application	Distribution
Range of product	IC60
Device short name	IC60N
Poles description	2P
Number of protected poles	2
[In] rated current	25 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	D
Utilisation category	Category A EN 60947-2 Category A IEC 60947-2
Suitability for isolation	Yes EN 60898-1 Yes EN 60947-2 Yes IEC 60898-1 Yes IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	100...130 V AC 50/60 Hz 12...60 V AC 50/60 Hz 220...240 V AC 50/60 Hz 380...415 V AC 50/60 Hz 400 V AC 50/60 Hz 440 V AC 50/60 Hz 12...144 V DC
Magnetic tripping limit	12 x In +/- 20 %
Breaking capacity	10 kA Icu EN 60947-2 380...415 V AC 50/60 Hz 10 kA Icu IEC 60947-2 380...415 V AC 50/60 Hz 20 kA Icu EN 60947-2 220...240 V AC 50/60 Hz 20 kA Icu IEC 60947-2 220...240 V AC 50/60 Hz 36 kA Icu EN 60947-2 100...130 V AC 50/60 Hz 36 kA Icu EN 60947-2 12...60 V AC 50/60 Hz 36 kA Icu IEC 60947-2 100...130 V AC 50/60 Hz 36 kA Icu IEC 60947-2 12...60 V AC 50/60 Hz 6 kA Icu EN 60947-2 440 V AC 50/60 Hz 6 kA Icu IEC 60947-2 440 V AC 50/60 Hz 6000 A Icn EN 60898-1 400 V AC 50/60 Hz 6000 A Icn IEC 60898-1 400 V AC 50/60 Hz 6 kA Icu EN 60947-2 12...144 V DC 6 kA Icu IEC 60947-2 12...144 V DC
[Ics] rated service breaking capacity	27 kA 75 % EN 60947-2 12...60 V AC 50/60 Hz 27 kA 75 % IEC 60947-2 12...60 V AC 50/60 Hz 6 kA 100 % EN 60947-2 12...144 V DC 6 kA 100 % IEC 60947-2 12...144 V DC 27 kA 75 % EN 60947-2 100...130 V AC 50/60 Hz 15 kA 75 % EN 60947-2 220...240 V AC 50/60 Hz 7.5 kA 75 % EN 60947-2 380...415 V AC 50/60 Hz 4.5 kA 75 % EN 60947-2 440 V AC 50/60 Hz 27 kA 75 % IEC 60947-2 100...130 V AC 50/60 Hz 15 kA 75 % IEC 60947-2 220...240 V AC 50/60 Hz 7.5 kA 75 % IEC 60947-2 380...415 V AC 50/60 Hz 4.5 kA 75 % IEC 60947-2 440 V AC 50/60 Hz
[Ui] rated insulation voltage	500 V AC 50/60 Hz EN 60947-2 500 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV EN 60947-2 6 kV IEC 60947-2

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Contact position indicator	Yes
Control type	Toggle
Local signalling	Trip indicator
Mounting mode	Removable comb busbar installed
Mounting support	DIN rail
9 mm pitches	4
Width	36 mm
Colour	White
Connections - terminals	Tunnel terminal with flap top or bottom 1...25 mm² solid 1 Tunnel terminal with flap top or bottom 0.5...16 mm² flexible with cable end 1 Tunnel terminal with flap top or bottom 0.5...16 mm² flexible without cable end 1 Tunnel terminal with flap top or bottom 1.5 mm² flexible without cable end 1...5 Tunnel terminal with flap top or bottom 1.5 mm² solid 1...5 Tunnel terminal with flap top or bottom 2.5 mm² flexible without cable end 1...3 Tunnel terminal with flap top or bottom 2.5 mm² solid 1...3
Wire stripping length	14 mm top or bottom
Tightening torque	2 nm top or bottom
Earth-leakage protection	Separate block

Environment

Standards	EN 60898-1 EN 60947-2 IEC 60898-1 IEC 60947-2
IP degree of protection	IP3 EN 60947-2 IP3 IEC 60947-2
Pollution degree	3 EN 60947-2 3 IEC 60947-2
Electrical shock protection class	Class II front face
Tropicalisation	2 EN/IEC 60068-2-78
Relative humidity	95 %
Operating altitude	0...2000 m
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-40...85 °C
RoHS EUR status	Compliant
RoHS EUR conformity date	1001