



Main

Circuit breaker application	Distribution
Range of product	IC60
Device short name	IC60N
Poles description	3P
Number of protected poles	3
[In] rated current	20 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	C
Utilisation category	Category A conforming to EN 60947-2 Category A conforming to IEC 60947-2
Suitability for isolation	Yes conforming to EN 60898-1 Yes conforming to EN 60947-2 Yes conforming to IEC 60898-1 Yes conforming to 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	8 x In +/- 20 %
Breaking capacity	10 kA Icu conforming to EN 60947-2 - 380...415 V AC 50/60 Hz 10 kA Icu conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 20 kA Icu conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 20 kA Icu conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 36 kA Icu conforming to EN 60947-2 - 100...130 V AC 50/60 Hz 36 kA Icu conforming to EN 60947-2 - 12...60 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 - 100...130 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz 6 kA Icu conforming to EN 60947-2 - 440 V AC 50/60 Hz 6 kA Icu conforming to IEC 60947-2 - 440 V AC 50/60 Hz 6000 A Icn conforming to EN 60898-1 - 400 V AC 50/60 Hz 6000 A Icn conforming to IEC 60898-1 - 400 V AC 50/60 Hz 6 kA Icu conforming to EN 60947-2 - 12...144 V DC 6 kA Icu conforming to IEC 60947-2 - 12...144 V DC
[Ics] rated service breaking capacity	27 kA 75 % x Icu conforming to EN 60947-2 - 12...60 V AC 50/60 Hz 27 kA 75 % x Icu conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz 6 kA 100 % x Icu conforming to EN 60947-2 - 12...144 V DC 6 kA 100 % x Icu conforming to IEC 60947-2 - 12...144 V DC 27 kA 75 % x Icu conforming to EN 60947-2 - 100...130 V AC 50/60 Hz 15 kA 75 % x Icu conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 7.5 kA 75 % x Icu conforming to EN 60947-2 - 380...415 V AC 50/60 Hz 4.5 kA 75 % x Icu conforming to EN 60947-2 - 440 V AC 50/60 Hz 27 kA 75 % x Icu conforming to IEC 60947-2 - 100...130 V AC 50/60 Hz 15 kA 75 % x Icu conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 7.5 kA 75 % x Icu conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 4.5 kA 75 % x Icu conforming to IEC 60947-2 - 440 V AC 50/60 Hz
Limitation class	3 conforming to EN 60898-1 3 conforming to IEC 60898-1
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN 60947-2 500 V AC 50/60 Hz conforming to IEC 60947-2

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[Uimp] rated impulse withstand voltage	6 kV conforming to EN 60947-2 6 kV conforming to IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	Trip indicator
Mounting mode	Removable comb busbar installed
Mounting support	DIN rail
9 mm pitches	6
Width	54 mm
Colour	White
Connections - terminals	Tunnel terminal with flap, top or bottom for 1...5 flexible wire(s) 1.5 mm ² max without cable end Tunnel terminal with flap, top or bottom for 1...5 solid wire(s) 1.5 mm ² max Tunnel terminal with flap, top or bottom for 1...3 flexible wire(s) 2.5 mm ² max without cable end Tunnel terminal with flap, top or bottom for 1...3 solid wire(s) 2.5 mm ² max Tunnel terminal with flap, top or bottom for 1 solid wire(s) 1...25 mm ² max Tunnel terminal with flap, top or bottom for 1 flexible wire(s) 0.5...16 mm ² max with cable end Tunnel terminal with flap, top or bottom for 1 flexible wire(s) 0.5...16 mm ² max without cable end
Wire stripping length	14 mm top or bottom
Tightening torque	2 N.m 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	IP2 conforming to EN 60898-1 IP2 conforming to IEC 60898-1 IP3 conforming to EN 60947-2 IP3 conforming to IEC 60947-2
Pollution degree	3 conforming to EN 60947-2 3 conforming to IEC 60947-2
Electrical shock protection class	Class II front face
Tropicalisation	2 conforming to 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