



Main

Commercial Status	Commercialised
Circuit breaker application	Distribution
Product or component type	Circuit breaker
Device short name	IC60N
Poles description	2P
Number of protected poles	2
[In] rated current	32 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA Icu conforming to IEC 60947-2 - 72...125 V DC 10 kA Icu conforming to EN 60947-2 - 72...125 V DC 6000 A Icn conforming to IEC 60898-1 - 400 V AC 50/60 Hz 6000 A Icn conforming to EN 60898-1 - 400 V AC 50/60 Hz 6 kA Icu conforming to IEC 60947-2 - 440 V AC 50/60 Hz 6 kA Icu conforming to EN 60947-2 - 440 V AC 50/60 Hz 36 kA Icu conforming to IEC 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 EN 60947-2 - 12...60 V AC 50/60 Hz 36 kA Icu conforming to EN 60947-2 - 100...130 V AC 50/60 Hz 20 kA Icu conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 20 kA Icu conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 10 kA Icu conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 10 kA Icu conforming to EN 60947-2 - 380...415 V AC 50/60 Hz
Utilisation category	Category A conforming to IEC 60947-2 Category A conforming to EN 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2 Yes conforming to IEC 60898-1 Yes conforming to EN 60947-2 Yes conforming to EN 60898-1

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Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	12...144 V DC 440 V AC 50/60 Hz 400 V AC 50/60 Hz 380...415 V AC 50/60 Hz 220...240 V AC 50/60 Hz 12...60 V AC 50/60 Hz 100...130 V AC 50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %
[Ics] rated service breaking capacity	4.5 kA 75 % x Icu conforming to IEC 60947-2 - 440 V AC 50/60 Hz 7.5 kA 75 % x Icu conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA 75 % x Icu conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 27 kA 75 % x Icu conforming to IEC 60947-2 - 100...130 V AC 50/60 Hz 4.5 kA 75 % x Icu conforming to EN 60947-2 - 440 V AC 50/60 Hz 7.5 kA 75 % x Icu conforming to EN 60947-2 - 380...415 V AC 50/60 Hz 15 kA 75 % x Icu conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 27 kA 75 % x Icu conforming to EN 60947-2 - 100...130 V AC 50/60 Hz 6 kA 100 % x Icu conforming to IEC 60947-2 - 12...144 V DC 6 kA 100 % x Icu conforming to EN 60947-2 - 12...144 V DC 27 kA 75 % x Icu conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz 27 kA 75 % x Icu conforming to EN 60947-2 - 12...60 V AC 50/60 Hz
Limitation class	3 conforming to IEC 60898-1 3 conforming to EN 60898-1
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to IEC 60947-2 500 V AC 50/60 Hz conforming to EN 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-2 6 kV conforming to EN 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	Trip indicator
Mounting mode	Fixed
Mounting support	DIN rail
Comb busbar distribution block compatibility	YES top or bottom
9 mm pitches	4
Height	85 mm
Width	36 mm
Depth	78.5 mm
Product weight	0.25 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Connections - terminals	Single terminal, top or bottom flexible wire(s) 1...25 mm ² max Single terminal, top or bottom rigid wire(s) 1...35 mm ² max
Wire stripping length	14 mm top or bottom
Tightening torque	3.5 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	IP20 conforming to EN 60529 IP20 conforming to IEC 60529
Pollution degree	3 conforming to IEC 60947-2 3 conforming to EN 60947-2
Overvoltage category	IV
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % (55 °C)
Operating altitude	0...2000 m
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-40...85 °C

RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(YYWW)	1001

Contractual warranty

Period	18 months
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