

A9F74450

iC60N - miniature circuit breaker - 4P - 50A - C curve



Main

Device application	Distribution
Range	Acti 9
Product or component type	Miniature circuit-breaker
Product name	IC60
Device short name	IC60N
Poles description	4P
Number of protected poles	4
[In] rated current	50 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA Icu conforming to IEC 60947-2 - 180...250 V DC 10 kA Icu conforming to EN 60947-2 - 180...250 V DC 36 kA Icu conforming to EN 60947-2 - 12...133 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 - 12...133 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 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 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
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
Magnetic tripping limit	8 x I _n +/- 20 %
[Ics] rated service breaking capacity	10 kA 100 % x I _{cu} conforming to EN 60947-2 - 180...250 V DC 10 kA 100 % x I _{cu} conforming to IEC 60947-2 - 180...250 V DC 6000 A 100 % x I _{cu} conforming to IEC 60898-1 - 400 V AC 50/60 Hz 6000 A 100 % x I _{cu} conforming to EN 60898-1 - 400 V AC 50/60 Hz 27 kA 75 % x I _{cu} conforming to EN 60947-2 - 12...133 V AC 50/60 Hz 27 kA 75 % x I _{cu} conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz 4.5 kA 75 % x I _{cu} conforming to IEC 60947-2 - 440 V AC 50/60 Hz 7.5 kA 75 % x I _{cu} conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA 75 % x I _{cu} conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 4.5 kA 75 % x I _{cu} conforming to EN 60947-2 - 440 V AC 50/60 Hz 7.5 kA 75 % x I _{cu} conforming to EN 60947-2 - 380...415 V AC 50/60 Hz 15 kA 75 % x I _{cu} conforming to EN 60947-2 - 220...240 V AC 50/60 Hz
[U _i] 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
[U _{imp}] 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	8
Height	85 mm
Width	72 mm
Depth	78.5 mm
Product weight	0.5 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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1001 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Period	18 months
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