

Product datasheet

Specifications



Miniature circuit breaker (MCB),
Acti9 iC60N, 1P, 0.5A, C curve,
6000A (IEC 60898-1), 50kA (IEC
60947-2), double term.

A9F04170

Main

Device application	Distribution
Range	Acti9
Product name	Acti9 iC60
Product or component type	Miniature circuit-breaker
Device short name	IC60N
Poles description	1P
Number of protected poles	1
[In] rated current	0.5 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	50 kA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 12...60 V DC conforming to EN/IEC 60947-2 10 kA Icu at 60...72 V DC conforming to EN/IEC 60947-2 6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1
Utilisation category	Category A conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60898-1 Yes conforming to EN/IEC 60947-2
Standards	EN/IEC 60947-2 EN/IEC 60898-1

Complementary

Network frequency	50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %
[Ics] rated service breaking capacity	50 kA 100 % conforming to EN/IEC 60947-2 - 12...60 V AC 50/60 Hz 50 kA 100 % conforming to EN/IEC 60947-2 - 100...133 V AC 50/60 Hz 50 kA 100 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 15 kA 100 % conforming to EN/IEC 60947-2 - 12...60 V DC 10 kA 100 % conforming to EN/IEC 60947-2 - 60...72 V DC
Limitation class	3 conforming to EN/IEC 60898-1
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Local signalling	Trip indicator
Mounting support	DIN rail
9 mm pitches	2
Height	91 mm
Width	18 mm
Depth	78.5 mm
Net weight	0.125 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Connections - terminals	Double terminal (top or bottom) 1...25 mm² rigid Double terminal (top or bottom) 1...16 mm² flexible
Wire stripping length	14 mm for top or bottom connection
Tightening torque	2 N.m top or bottom
Earth-leakage protection	Without

Environment

IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to EN/IEC 60947-2
Overvoltage category	IV
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-40...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.000 cm
Package 1 Width	7.500 cm
Package 1 Length	9.000 cm
Package 1 Weight	118.300 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8.500 cm
Package 2 Width	10.000 cm
Package 2 Length	22.000 cm
Package 2 Weight	1.469 kg
Unit Type of Package 3	S03
Number of Units in Package 3	132
Package 3 Height	30.000 cm

Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	16.608 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint	
Total lifecycle Carbon footprint	14
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
SCIP Number	26ff71d1-98cf-4280-8725-455b9a6b2fb9
REACH Regulation	REACH Declaration
Halogen-free status	Product contains halogen above thresholds

Use Again

Repack and remanufacture	
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins