

Product datasheet

Specifications



Miniature circuit-breaker, Acti9 iC60N, 4P, 1 A, D curve, 6000 A (IEC 60898-1), 50 kA (IEC 60947-2)

A9F75401

Price : 41,547.02 NGN

Main

Device application	Distribution
Range	Acti9
Product name	Acti9 iC60
Product or component type	Miniature circuit-breaker
Device short name	IC60N
Poles description	4P
Number of protected poles	4
[In] rated current	1 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	D
Breaking capacity	6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1 50 kA Icu at 12...60 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 50 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 25 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at <= 250 V DC conforming to EN/IEC 60947-2
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
Standards	IEC 60898-1 IEC 60947-2 EN 60898-1 EN 60947-2

Complementary

Network frequency	50/60 Hz
Magnetic tripping limit	12 x In +/- 20 %
[Ics] rated service breaking capacity	50 kA 100 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 50 kA 100 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 50 kA 100 % conforming to EN 60947-2 - 380...415 V AC 50/60 Hz 25 kA 100 % conforming to EN 60947-2 - 440 V AC 50/60 Hz 50 kA 100 % conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 25 kA 100 % conforming to IEC 60947-2 - 440 V AC 50/60 Hz

50 kA 100 % conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz
 50 kA 100 % conforming to EN 60947-2 - 12...133 V AC 50/60 Hz
 6000 A 100 % conforming to EN 60898-1 - 400 V AC 50/60 Hz
 6000 A 100 % conforming to IEC 60898-1 - 400 V AC 50/60 Hz
 10 kA 100 % conforming to IEC 60947-2 - 180...250 V DC
 10 kA 100 % conforming to EN 60947-2 - 180...250 V DC

[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

[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 Fixed

Mounting support DIN rail

Comb busbar and distribution block compatibility Top or bottom: YES

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) 1...25 mm² rigid
 Single 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 Separate block

Environment

IP degree of protection IP20 conforming to IEC 60529
 IP20 conforming to EN 60529

Pollution degree 3 conforming to EN 60947-2
 3 conforming to IEC 60947-2

Overvoltage category IV

Tropicalisation 2 conforming to IEC 60068-1

Relative humidity 95 % at 55 °C

Operating altitude 0...2000 m

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 7.1 cm

Package 1 Width 7.1 cm

Package 1 Length	9.3 cm
Package 1 Weight	452.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	7.8 cm
Package 2 Width	10.1 cm
Package 2 Length	22.3 cm
Package 2 Weight	1.555 kg
Unit Type of Package 3	S03
Number of Units in Package 3	33
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	17.592 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Halogen free product

Contractual warranty

Warranty	18 months
----------	-----------

Recommended replacement(s)