

Product datasheet

Specifications



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

A9F75201

Price : 20,522.30 NGN

Main

Device application	Distribution
Range	Acti9
Product name	Acti9 iC60
Product or component type	Miniature circuit-breaker
Device short name	IC60N
Poles description	2P
Number of protected poles	2
[In] rated current	1 A
Network type	DC AC
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 <= 125 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 60947-2 EN 60898-1 IEC 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 - 72...125 V DC
 10 kA 100 % conforming to EN 60947-2 - 72...125 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
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[Uimp] rated impulse withstand voltage	6 kV conforming to EN 60947-2 6 kV conforming to IEC 60947-2
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Contact position indicator	Yes
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Control type	Toggle
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Local signalling	Trip indicator
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Mounting mode	Fixed
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Mounting support	DIN rail
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Comb busbar and distribution block compatibility	Top or bottom: YES
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9 mm pitches	4
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Height	85 mm
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Width	36 mm
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Depth	78.5 mm
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Product weight	0.25 kg
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Colour	White
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Mechanical durability	20000 cycles
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Electrical durability	10000 cycles
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Connections - terminals	Single terminal (top or bottom) 1...25 mm ² rigid Single terminal (top or bottom) 1...16 mm ² flexible
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Wire stripping length	14 mm for top or bottom connection
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Tightening torque	2 N.m top or bottom
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Earth-leakage protection	Separate block
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Environment

IP degree of protection	IP20 conforming to IEC 60529 IP20 conforming to EN 60529
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Pollution degree	3 conforming to EN 60947-2 3 conforming to IEC 60947-2
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Overvoltage category	IV
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Tropicalisation	2 conforming to IEC 60068-1
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Relative humidity	95 % at 55 °C
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Operating altitude	0...2000 m
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Ambient air temperature for operation	-35...70 °C
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Ambient air temperature for storage	-40...85 °C
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	7.5 cm
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Package 1 Width	3.6 cm
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Package 1 Length	9.5 cm
Package 1 Weight	226.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	2.93 cm
Package 2 Width	30.0 cm
Package 2 Length	20.0 cm
Package 2 Weight	1.42 kg
Unit Type of Package 3	S03
Number of Units in Package 3	66
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	16.124 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
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Recommended replacement(s)