

Product data sheet  
Characteristics

# A9F74350

iC60N - miniature circuit breaker - 3P - 50A - C curve



## Main

Device application	Distribution
Range	Acti 9
Product name	Acti9 iC60
Product or component type	Miniature circuit-breaker
Device short name	IC60N
Poles description	3P
Number of protected poles	3
[In] rated current	50 A
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1 36 KA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 KA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 KA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 6 KA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 36 KA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at <= 180 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 EN 60947-2 EN 60898-1 IEC 60947-2

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## Complementary

Network frequency	50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %
[Ics] rated service breaking capacity	15 KA 75 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 7.5 KA 75 % conforming to EN 60947-2 - 380...415 V AC 50/60 Hz 4.5 KA 75 % conforming to EN 60947-2 - 440 V AC 50/60 Hz 15 KA 75 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 7.5 KA 75 % conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 4.5 KA 75 % conforming to IEC 60947-2 - 440 V AC 50/60 Hz 27 KA 75 % conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz 27 KA 75 % 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 - 125...180 V DC 10 KA 100 % conforming to EN 60947-2 - 125...180 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	6
Height	85 mm
Width	54 mm
Depth	78.5 mm
Net weight	0.375 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Connections - terminals	Single terminal (top or bottom) 1...35 mm <sup>2</sup> rigid Single terminal (top or bottom) 1...25 mm <sup>2</sup> flexible
Wire stripping length	14 mm for top or bottom connection
Tightening torque	3.5 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 Weight	382 g
Package 1 Height	5.5 cm
Package 1 width	7 cm
Package 1 Length	9.5 cm
Unit Type of Package 2	P12

Number of Units in Package 2	352
Package 2 Weight	155.288 kg
Package 2 Height	50 cm
Package 2 width	80 cm
Package 2 Length	120 cm
Unit Type of Package 3	BB1
Number of Units in Package 3	4
Package 3 Weight	1.584 kg
Package 3 Height	8 cm
Package 3 width	10 cm
Package 3 Length	22.5 cm

### Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### Contractual warranty

Warranty	12 months
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