

# Product data sheet

## Characteristics

# A9D77413

Residual current breaker with overcurrent protection (RCBO), Acti9 iC60, 4P, 13A, C curve, 6000A/6kA, A-SI type, 30mA



### Main

Range	Acti9
Product name	Acti9 iC60 RCBO
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	iC60 RCBO
Device application	Distribution
Poles description	4P
Number of protected poles	4
[In] rated current	13 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Earth-leakage sensitivity	30 mA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A-SI (Super Immunised)
Breaking capacity	6000 A Icn at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1 6 kA Icu at 380...415 V AC 50 Hz conforming to EN/IEC 60947-2
Suitability for isolation	No conforming to IEC 60947-1
Quality labels	NF IMQ KEMA-KEUR VDE

### Complementary

Complementary	Outgoer
Network frequency	50 Hz
[Ue] rated operational voltage	380...415 V AC 50 Hz
Magnetic tripping limit	5...10 x In
Residual current tripping technology	Voltage independent
[Ics] rated service breaking capacity	6000 A 100 % x Icn at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1 6 kA 100 % x Icu at 380...415 V AC 50 Hz conforming to EN/IEC 60947-2
Rated breaking and making capacity	Idm 6000 A at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1
Limitation class	1 conforming to EN/IEC 61009-2-1
[Ui] rated insulation voltage	500 V AC 50 Hz
[Uiimp] rated impulse withstand voltage	4 kV
Surge current	3000 A
Contact position indicator	No
Control type	Toggle
Local signalling	ON, OFF, fault trip
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	Top or bottom: YES Bottom: biconnect

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Connection pitch	9 mm between poles
9 mm pitches	8
Height	86 mm
Width	72 mm
Depth	78 mm
Net weight	423 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Connections - terminals	Tunnel type terminal top or bottom 1...35 mm <sup>2</sup> rigid Tunnel type terminal top or bottom 1...25 mm <sup>2</sup> flexible Tunnel type terminal top or bottom 1...25 mm <sup>2</sup> flexible with ferrule
Wire stripping length	12 mm for top or bottom connection
Tightening torque	2 N.m
Earth-leakage protection	Integrated

## Environment

Standards	EN/IEC 60947-2 EN/IEC 61009-2-1
IP degree of protection	IP40 (distribution enclosure) conforming to IEC 60529 IP20 conforming to IEC 60529
Overvoltage category	III conforming to IEC 60364
Electromagnetic compatibility	8/20 µs impulse withstand, 3000 A conforming to EN/IEC 61009-2-1
Tropicalisation	2
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...70 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.700 cm
Package 1 Width	8.000 cm
Package 1 Length	10.000 cm
Package 1 Weight	431.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	10.000 cm
Package 2 Width	11.300 cm
Package 2 Length	24.800 cm
Package 2 Weight	1.357 kg
Unit Type of Package 3	S03
Number of Units in Package 3	18
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	8.703 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>

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**Circularity Profile** **End Of Life Information****WEEE**

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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