

Product datasheet

Specifications



Acti9 - earth leakage circuit breaker - 1P+N_s - 16A - C - 30mA - 10000 A

SEE116C03

Main

Circuit breaker application	Distribution
Range	Acti9
Product name	Acti9 iC60 RCBO
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	iC60N RCBO
Poles description	1P + N _s
[I _n] rated current	16 A at 30 °C
Curve code	C
Earth-leakage sensitivity	30 mA
Breaking capacity	10000 A I _{cn} at 150...230 V AC 50 Hz

Complementary

Neutral position	Left
Number of protected poles	1
Network frequency	50 Hz
Network type	AC
Trip unit technology	Thermal-magnetic
[U _e] rated operational voltage	150...230 V AC 50 Hz
Residual current tripping technology	Voltage dependent
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A
[I _{cw}] rated short-time withstand current	I _{cw} : 250 A during 8/20 μs impulse withstand
Electrical insulation class	Class III
Limitation class	3
[U _i] rated insulation voltage	400 V AC 50 Hz
[U _{imp}] rated impulse withstand voltage	4 kV
Surge current	250 A
Suitability for isolation	Yes
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication

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

Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	YES
9 mm pitches	2
Height	117 mm
Width	18 mm
Depth	70 mm
Net weight	136 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Locking options description	By padlocks
Connections - terminals	Screw clamp terminal (upstream) 1...16 mm² rigid Screw clamp terminal (upstream) 1...16 mm² flexible Screw clamp terminal (downstream) 1...10 mm² rigid Screw clamp terminal (downstream) 1...10 mm² flexible
Wire stripping length	14 mm for upstream connection 11 mm for downstream connection
Tightening torque	2 N.m upstream 2 N.m downstream
Earth-leakage protection	Integrated
Targeted country	UK

Environment

Standards	IEC 61009-2-2 IEC 61009-1
Product certifications	SNI
IP degree of protection	IP20
Tropicalisation	2
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-30...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.800 cm
Package 1 Width	11.200 cm
Package 1 Length	14.000 cm
Package 1 Weight	223.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	34
Package 2 Height	15.000 cm

Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	8.290 kg
Unit Type of Package 3	P06
Number of Units in Package 3	544
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	145.000 kg

Logistical informations

Country of origin	BG
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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	19 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	4 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	15 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.4 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	49663663-0519-41f8-aac0-7f7e5e023674
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	Product contains halogen above thresholds

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	47
End of life manual availability	No need of specific recycling operations
Take-back	Yes
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins