

Product datasheet

Specifications



Acti9 - earth leakage circuit breaker - 1P+N_s - 45A - C - 30mA - 10000 A

SEE145C03

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
[In] rated current	45 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 61009-1 IEC 61009-2-2
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	2.500 cm
Package 1 Width	11.200 cm
Package 1 Length	14.000 cm
Package 1 Weight	260.500 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	9.077 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	160.000 kg

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

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	73
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Environmental Disclosure	Product Environmental Profile
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Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
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Packaging without single use plastic	Yes
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EU RoHS Directive	Compliant with Exemptions
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SCIP Number	49663663-0519-41f8-aac0-7f7e5e023674
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REACH Regulation	REACH Declaration
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China RoHS Regulation	China RoHS declaration
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Use Again

Repack and remanufacture

Circularity Profile	No need of specific recycling operations
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WEEE



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

Take-back

No