Product datasheet

Specifications



Acti9 IC60H RCBO - 2P - 10 A - C curve - 10 kA - 300 mA - A type

A9D51210

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	iC60H2 RCBO
Poles description	2P
[In] rated current	10 A at 50 °C
Earthing system	TT TN IT
Curve code	C
Earth-leakage sensitivity	300 mA
Breaking capacity	10000 A Icn at 240 V AC 50/60 Hz conforming to IEC 61009-1

Complementary

Neutral position	Left
Number of protected poles	1
Device location in system	Outgoer
Network frequency	50 Hz
Network type	AC
Trip unit technology	Thermal-magnetic
[Ue] rated operational voltage	230/240 V AC 50/60 Hz
Residual current tripping technology	Voltage dependent
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A
[Icw] rated short-time withstand current	Icw: 250 A during 8/20 µs impulse withstand
[Ics] rated service breaking capacity	7500 A at 240 V AC 50/60 Hz
Limitation class	3
[Ui] rated insulation voltage	400 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	4 kV
Surge current	250 A
Suitability for isolation	Yes

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

Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	NO
9 mm pitches	4
Height	110 mm
Width	36 mm
Depth	77.5 mm
Net weight	332 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Provision for padlocking	Padlockable with padlock Ø 4 mm
Locking options description	ON/OFF locking facilities
Connections - terminals	Screw clamp terminal (top) 1…25 mm² rigid without cable end Screw clamp terminal (top) 1…16 mm² flexible Screw clamp terminal (bottom) 1…16 mm² rigid without cable end Screw clamp terminal (bottom) 1…10 mm² flexible
Wire stripping length	Power circuit: 13 mm for bottom connection Power circuit: 14 mm for top connection
Tightening torque	Power circuit: 3.5 N.m top Power circuit: 2 N.m bottom
Earth-leakage protection	Integrated

Environment

Standards	IEC 61009-2-2 AS/NZS 61009.1 IEC 61009-1
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Tropicalisation	2
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-15…60 °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 Height	11 cm
Package 1 Width	4.3 cm
Package 1 Length	13.5 cm
Package 1 Weight	298 g
Unit Type of Package 2	S02

Number of Units in Package 2	27
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	8246 g
Unit Type of Package 3	P12
Number of Units in Package 3	864
Package 3 Height	80 cm
Package 3 Width	75 cm
Package 3 Length	120 cm
Package 3 Weight	273872 g

Contractual warranty

Warranty (in months)	18

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	**17 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**5 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]	**11 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.5 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**170f0083-3431-44d4-b5b4-c8b8e68e05e4**
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**
Silicone-free	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**47**
End of life manual availability	**No need of specific recycling operations**
Take-back	**No**