

Product datasheet

Specifications



Residual current breaker with overcurrent protection (RCBO),
Acti9 iC60N RCBO, 1P+Ns, 16A, D
curve, 30mA, A type, 6000A

A9D71816

Main

Circuit breaker application	Distribution
Range	Acti9
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	iC60N RCBO
Poles description	1P + Ns
[In] rated current	16 A at 50 °C
Earthing system	TN
Curve code	D
Earth-leakage sensitivity	30 mA
Breaking capacity	6000 A Icn at 230/240 V AC 50/60 Hz

Complementary

Neutral position	Left
Number of protected poles	1
Device location in system	Outgoer
Network frequency	50/60 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	6000 A at 230/240 V AC 50/60 Hz
Limitation class	3
[Ui] rated insulation voltage	400 V AC 50/60 Hz
[Uiimp] 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
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	YES
9 mm pitches	2
Height	110 mm
Width	18 mm
Depth	77.5 mm
Net weight	205 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 mm ² rigid without cable end Screw clamp terminal (top) 1...16 mm ² flexible Screw clamp terminal (bottom) 1...16 mm ² rigid without cable end Screw clamp terminal (bottom) 1...10 mm ² 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
Grid distance	45 mm

Environment

Standards	BS EN 61009-1 IEC 61009-1 IEC 61009-2-2 AS/NZS 61009.1
IP degree of protection	IP20
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	2.8 cm
Package 1 Width	11.2 cm
Package 1 Length	13.8 cm
Package 1 Weight	218 g
Unit Type of Package 2	S02

Number of Units in Package 2	34
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	7.73 kg
Unit Type of Package 3	P12
Number of Units in Package 3	1088
Package 3 Height	80 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	262.88 kg



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 **20**

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard **Yes**

[EU RoHS Directive](#) **Compliant with Exemptions**

SCIP Number **170f0083-3431-44d4-b5b4-c8b8e68e05e4**

REACH Regulation [REACH Declaration](#)

Use Again

Repack and remanufacture

End of life manual availability **No need of specific recycling operations**

Take-back **No**

Image of product / Alternate images

Alternative





