

Product datasheet

Specifications



Residual current breaker with overcurrent protection (RCBO), Acti9 iC60N RCBO, 1P+N_s, 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 + N _s
[In] rated current	16 A at 50 °C
Earthing system	TN
Curve code	D
Earth-leakage sensitivity	30 mA
Breaking capacity	6000 A I _{cn} 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
[U _e] 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
[I _{cw}] rated short-time withstand current	I _{cw} : 250 A during 8/20 μs impulse withstand
[I _{cs}] rated service breaking capacity	6000 A at 230/240 V AC 50/60 Hz
Limitation class	3
[U _i] rated insulation voltage	400 V AC 50/60 Hz
[U _{imp}] rated impulse withstand voltage	4 kV
Surge current	250 A
Suitability for isolation	Yes
Contact position indicator	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

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 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
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



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	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





