

Residual current breaker with overcurrent protection (RCBO), Acti9 iC60N RCBO, 1P+Ns, 10A, D curve, 30mA, A type, 6000A

A9D71810

## 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	10 A at 50 °C	
Earthing system	TN	
Curve code	D	
Earth-leakage sensitivity	30 mA	
Breaking capacity	6000 A lcn 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	
[Uimp] 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) 125 mm² rigid without cable end Screw clamp terminal (top) 116 mm² flexible Screw clamp terminal (bottom) 116 mm² rigid without cable end Screw clamp terminal (bottom) 110 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	-1560 °C
Ambient air temperature for storage	-4085 °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	216 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	7.662 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	261.568 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	19
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**











