Product datasheet

Specifications

Green Premium™

Acti9, Residual current breaker with overcurrent protection (RCBO), Acti9 iC60N RCBO, 1P + Ns, 20A, 30mA, A type, 6000A

A9D61820

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 + Ns
[In] Rated Current	20 A at 50 °C
Earthing System	TN
Curve Code	C
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 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

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	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

Environment

Standards	AS/NZS 61009.1 IEC 61009-2-2 IEC 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	7.5 cm
Package 1 Width	9.5 cm
Package 1 Length	1.8 cm
Package 1 Weight	211 g
Unit Type Of Package 2	BB1

Number Of Units In Package 2	34
Package 2 Height	15 cm
Package 2 Width	29.2 cm
Package 2 Length	39.8 cm
Package 2 Weight	7.896 kg
Unit Type Of Package 3	P12
Number Of Units In Package 3	1088
Package 3 Height	70 cm
Package 3 Width	120 cm
Package 3 Length	80 cm
Package 3 Weight	229.568 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations Circularity Profile