

# Product datasheet

Specifications



Schneider Electric A9D31820

Picture

## iC60H - earth leakage circuit breaker - 1P + N - B curve - 20 A - 30 mA - 240 V

Local distributor code:

396790299

A9D31820

EAN Code: 3606480558382

### 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	iC60H RCBO
Poles Description	1P + Ns
[In] Rated Current	20 A at 50 °C
Earthing System	TN
Curve Code	B
Earth-Leakage Sensitivity	30 mA
Breaking Capacity	10000 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	7500 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	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 mm <sup>2</sup> rigid without cable end Screw clamp terminal (top) 1...16 mm <sup>2</sup> flexible Screw clamp terminal (bottom) 1...16 mm <sup>2</sup> rigid without cable end Screw clamp terminal (bottom) 1...10 mm <sup>2</sup> 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 IEC 61009-1 AS/NZS 61009.1 BS EN 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	2.700 cm
Package 1 Width	11.300 cm
Package 1 Length	14.000 cm
Package 1 Weight	220.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	34

Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	7.870 kg
Unit Type Of Package 3	P12
Number Of Units In Package 3	1088
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	261.900 kg

## Contractual warranty

Warranty	18 months
----------	-----------

## 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<sub>2</sub> products.

[Learn more >](#)



Sustainable Packaging Transparency RoHS/REACH

### Resource performance

Sustainable Packaging

---

### Well-being performance

Mercury Free

---

Rohs Exemption Information Yes

---

### Certifications & Standards

<b>Reach Regulation</b>	<a href="#">REACH Declaration</a>
<b>Eu Rohs Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>China Rohs Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Weee</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins