

# Product datasheet

Specifications



Schneider Electric A9D31845

Picture

## iC60H - earth leakage circuit breaker - 1P + N - B curve - 45 A - 30 mA - 240 V

Local distributor code:

396790338

A9D31845

EAN Code: 3606480558429

### 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	45 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

<b>Control Type</b>	Toggle
<b>Local Signalling</b>	ON/OFF indication
<b>Mounting Mode</b>	Clip-on
<b>Mounting Support</b>	DIN rail
<b>Comb Busbar And Distribution Block Compatibility</b>	NO
<b>9 Mm Pitches</b>	2
<b>Height</b>	110 mm
<b>Width</b>	18 mm
<b>Depth</b>	77.5 mm
<b>Net Weight</b>	205 g
<b>Colour</b>	White
<b>Mechanical Durability</b>	20000 cycles
<b>Electrical Durability</b>	5000 cycles
<b>Provision For Padlocking</b>	Padlockable with padlock Ø 4 mm
<b>Locking Options Description</b>	ON/OFF locking facilities
<b>Connections - Terminals</b>	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
<b>Wire Stripping Length</b>	Power circuit: 13 mm for bottom connection Power circuit: 14 mm for top connection
<b>Tightening Torque</b>	Power circuit: 3.5 N.m top Power circuit: 2 N.m bottom
<b>Earth-Leakage Protection</b>	Integrated

## Environment

<b>Standards</b>	BS EN 61009-1 IEC 61009-2-2 AS/NZS 61009.1 IEC 61009-1
<b>Ip Degree Of Protection</b>	IP20
<b>Tropicalisation</b>	2
<b>Relative Humidity</b>	95 % at 55 °C
<b>Ambient Air Temperature For Operation</b>	-15...60 °C
<b>Ambient Air Temperature For Storage</b>	-40...85 °C

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	2.8 cm
<b>Package 1 Width</b>	11.3 cm
<b>Package 1 Length</b>	14.0 cm
<b>Package 1 Weight</b>	243.0 g

## Contractual warranty

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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

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## Well-being performance

Mercury Free

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Rohs Exemption Information Yes

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## 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