

# Product datasheet

## Characteristics

# A9D05820

Acti9 iC60H RCBO plug on neutral - 1P+N<sub>s</sub> - 20A  
- C - 10000A - 30mA - type A



### 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 PoN
Poles description	1P + N <sub>s</sub>
[I <sub>n</sub> ] rated current	20 A at 50 °C
Earthing system	TN
Curve code	C
Earth-leakage sensitivity	30 mA
Breaking capacity	10000 A I <sub>cn</sub> at 240 V AC 50/60 Hz conforming to IEC 61009-2-2

### Complementary

Neutral position	Left
Number of protected poles	1
Device location in system	Outgoer
Network type	AC
Network frequency	50/60 Hz
[U <sub>e</sub> ] rated operational voltage	240 V AC 50/60 Hz
Trip unit technology	Thermal-magnetic
Magnetic tripping limit	5...10 x I <sub>n</sub>
Residual current tripping technology	Voltage dependent
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A
[I <sub>cs</sub> ] rated service breaking capacity	7500 A at 240 V AC 50/60 Hz conforming to IEC 61009-2-2
Electrical insulation class	Class II
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	Fault indication ON/OFF indication
Mounting mode	Plug-on
Mounting support	Isobar B Isobar A
Comb busbar and distribution block compatibility	NO
9 mm pitches	2
Height	110 mm
Width	18 mm
Depth	72 mm
Net weight	156 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Locking options description	Padlock in on or off position
Connections - terminals	Screw clamp terminal (top) 1...16 mm <sup>2</sup> flexible Screw clamp terminal (bottom) 1...10 mm <sup>2</sup> flexible Screw clamp terminal (top) 1...25 mm <sup>2</sup> rigid Screw clamp terminal (bottom) 1...16 mm <sup>2</sup> rigid Plug-on neutral (upstream)
Wire stripping length	14 mm for top connection 13 mm for bottom connection
Tightening torque	3.5 N.m top 2 N.m bottom
Earth-leakage protection	Integrated

## Environment

Standards	IEC 61009-1 IEC 61009-2-2 BS EN 61009-1
Product certifications	CB
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Overvoltage category	II
Tropicalisation	2
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-15...60 °C
Ambient air temperature for storage	-40...85 °C

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

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Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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### Contractual warranty

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Warranty	18 months
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