Product datasheet

Specifications

Residual current breaker with overcurrent protection (RCBO), Acti9 iC60H3, 3P+Ns, D Curve, 20A, 30mA, A type, 10000A

A9DD1920

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	iC60H3 RCBO
poles description	3P + Ns
[In] rated current	20 A at 30 °C
Earthing system	TN
Curve code	D
Earth-leakage sensitivity	30 mA
Breaking capacity	10000 A Icn at 400/415 V

Complementary

Neutral position	Left
Number of protected poles	3
Device location in system	Outgoer
network frequency	50/60 Hz
network type	AC
Trip unit technology	Thermal-magnetic
[Ue] rated operational voltage	400/415 V
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
Limitation class	3
[Ui] rated insulation voltage	500 V
[Uimp] rated impulse withstand voltage	4 kV
Surge current	250 A
Suitability for isolation	Yes conforming to IEC 61009-1

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

Control type	Toggle
local signalling	ON/OFF indication
mounting mode	Clip-on
mounting support	DIN rail Chassis
Comb busbar and distribution block compatibility	YES
9 mm pitches	6
Height	112 mm
Width	54 mm
Depth	77.2 mm
Net weight	462 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Provision for padlocking	Padlockable with padlock Ø 4 mm Lead seal
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
Wire stripping length	Power circuit: 11 mm for bottom connection Power circuit: 14 mm for top connection
Tightening torque	Power circuit: 2.5 N.m top Power circuit: 2.5 N.m bottom
Earth-leakage protection	Integrated
Test button operating voltage	260…457 V
Operating voltage for protection against earth leakage	150…457 V
Grid distance	45 mm
Locking options description	Handle sealable with cable diameter 1.4mm in OFF or ON position

Environment

Standards	AS/NZS 61009.1 IEC 61009-1 IEC 61009-2-2
IP degree of protection	IP20
Tropicalisation	2
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-5…60 °C
Ambient air temperature for storage	-25…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.7 cm
Package 1 Width	6.6 cm

Package 1 Length	9 cm
Package 1 Weight	539 g
Unit Type of Package 2	S02
Number of Units in Package 2	16
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	9.376 kg

Sustainability

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

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Guide to assess a product's sustainability >

Transparency

RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information