

Product data sheet

Characteristics

A9T27616

Arc fault detection RCBO, Acti9 iDPN H
VigiArc, 1P+N, 16 A, 10000 A, 30 mA, type A



Main

Range	Acti9
Product name	Acti9 iDPN H VigiARC
Product or component type	Arc fault detection RCBO
Product specific application	Arc fault detection
Standards	EN/IEC 62606 AS/NZS 61009.1
Device short name	IDPN H VigiARC
Poles description	1P + N
Number of protected poles	1
Curve code	C
Breaking capacity	7500 A at 240 V AC 50 Hz conforming to AS/NZS 61009.1
Rated breaking and making capacity	Idm 500 A at 240 V AC 50 Hz conforming to AS/NZS 61009.1
Neutral position	Left
Network type	AC
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Class A
Suitability for isolation	Yes
Residual current tripping technology	Voltage dependent
Trip unit technology	Thermal-magnetic
Earth-leakage protection	Integrated

Complementary

[In] rated current	16 A
Network frequency	50 Hz
[Ue] rated operational voltage	230/240 V AC 50 Hz conforming to AS/NZS 61009.1 230/240 V AC 50 Hz conforming to IEC 62606
Device location in system	Outgoer
Magnetic tripping limit	5...10 x In
Limitation class	3 conforming to AS/NZS 61009.1
[Ui] rated insulation voltage	250 V AC 50 Hz between phase and neutral 400 V AC 50 Hz between phases
Threshold tripping voltage	275 V +/- 5 V
[Uimp] rated impulse withstand voltage	4 kV conforming to AS/NZS 61009.1
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON, OFF, fault trip
Mounting mode	Clip-on
Mounting support	DIN rail

Colour	White
Mechanical durability	20000 cycles
Electrical durability	20000 cycles 240 V AC 50 Hz conforming to AS/NZS 61009.1
Overvoltage category	III
Locking options description	Padlocking device
Cable entry	Top and bottom
Connections - terminals	Tunnel type terminal for 2 cable(s) 2.5 mm ² rigid Tunnel type terminal for 1 cable(s) 16 mm ² rigid Tunnel type terminal for 2 cable(s) 2.5 mm ² flexible Tunnel type terminal for 1 cable(s) 10 mm ² flexible
Wire stripping length	14 mm
Tightening torque	2 N.m
Comb busbar and distribution block compatibility	YES
9 mm pitches	4
Height	91 mm
Width	36 mm
Depth	75 mm
Net weight	205 g

Environment

Heat dissipation	3.40 W at 240 V - 16 A
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	2 conforming to AS/NZS 61009.1 2 conforming to IEC 62606
Tropicalisation	Severity B conforming to IEC 60068-2-30 for 28 d
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...80 °C
Quality labels	RCM

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	237.0 g
Package 1 Height	7.5 cm
Package 1 width	3.6 cm
Package 1 Length	9.1 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
Halogen content performance	Halogen free plastic parts product

Contractual warranty

Warranty	24 months
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