

Product data sheet

Characteristics

A9T27620

Arc fault detection RCBO, Acti9 iDPN H
VigiArc, 1P+N, 20 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

| | |
|--|---|
| 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 |
| Overtoltage 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 | 4.33 W at 240 V - 20 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 |

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 |
|----------|-----------|