Product datasheet

Specifications

Arc fault detection RCBO, Easy9 VigiARC, 1P+N, 16A, B curve, 30mA, A-SI type, 6000A

EZ9TDA7616

EAN Code : 3606482164802

Main

Range	Easy9
Product name	Easy9 VigiARC
Product or component type	Arc fault detection RCBO
Product specific application	Arc fault detection
Standards	EN/IEC 62606 EN/IEC 61009-1 EN/IEC 61009-2-1
Device short name	VigiARC
Poles description	1P + N
Number of protected poles	1
Curve code	B
Breaking capacity	6000 A Icn at 230 V AC 50 Hz conforming to IEC 61009-2-1 10 kA Icu at 230 V AC 50 Hz conforming to EN/IEC 60947-2
Rated breaking and making capacity	Idm 3000 A at 230 V AC 50 Hz conforming to IEC 61009-2-1
Neutral position	Left
Network type	AC
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A-SI (Super Immunised)
Electrical data recording	Date and time Maintenance indicators
Suitability for isolation	Yes
Residual current tripping technology	Voltage independent
Trip unit technology	Thermal-magnetic
Earth-leakage protection	Integrated

Complementary

[In] rated current	16 A
Network frequency	50 Hz
[Ue] rated operational voltage	230 V AC 50 Hz
Device location in system	Outgoer

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

Magnetic tripping limit	3...5 x In
[Ics] rated service breaking capacity	6000 A at 230 V AC 50 Hz conforming to IEC 61009-2-1 7.5 kA at 230 V AC 50 Hz conforming to IEC 60947-2
Limitation class	3
[Ui] rated insulation voltage	250 V AC 50 Hz between phase and neutral
Threshold tripping voltage	275 V for +/- 5 V
[Uimp] rated impulse withstand voltage	4 kV
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON, OFF, fault trip LED arc fault diagnostic
Mounting mode	Clip-on
Mounting support	DIN rail
Colour	Grey (RAL 7035)
Mechanical durability	10000 cycles
Electrical durability	4000 cycles 230 V AC 50 Hz
Overvoltage category	III
Locking options description	Padlocking device
Cable entry	Top and bottom
Connections - terminals	Tunnel type terminal 1…16 mm² rigid Tunnel type terminal 1…10 mm² 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	73 mm
Net weight	220 g

Environment

Earth-leakage sensitivity	30 mA
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	2 conforming to EN/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…40 °C
Ambient air temperature for storage	-40…80 °C
Product certifications	UKCA

Packing Units

Unit Type of Package 1	PCE

Number of Units in Package 1	1
Package 1 Height	11.2 cm
Package 1 Width	4.2 cm
Package 1 Length	8.2 cm
Package 1 Weight	235.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.955 kg
Unit Type of Package 3	P12
Number of Units in Package 3	576
Package 3 Height	60.0 cm
Package 3 Width	80.0 cm
Package 3 Length	120.0 cm
Package 3 Weight	154.92 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months

Recommended replacement(s)