Product datasheet

Specifications

Active arc fault detection RCBO, Acti9 iCV40H ARC, 1P + N, 25 A, C curve, 30 mA, type A-SI, 10000 A

A9TDFD625

Main

Range	Acti9
Product name	Acti9 iCV40 ARC
Product or component type	Arc fault detection RCBO
Product specific application	Arc fault detection
Standards	EN/IEC 62606 EN/IEC 61009-1 EN/IEC 60947-2 EN/IEC 61009-2-1 BS EN 62606
Device short name	iCV40 ARC
Poles description	1P + N
Number of protected poles	1
Curve code	C
Breaking capacity	10000 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
Concentrator compatibility	EcoStruxure Panel Server Advanced EcoStruxure Panel Server Entry EcoStruxure Panel Server Universal
Event management	Overvoltage Earth leakage Overload
Type of measurement	Voltage Active power Current Power factor
Accuracy	Voltage: +/- 2 % Current: +/- 2 % Power: +/- 5 %
Suitability for isolation	Yes

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

Residual current tripping technology	Voltage independent
Trip unit technology	Thermal-magnetic
Earth-leakage protection	Integrated

Complementary

[In] rated current	25 A
Network frequency	50 Hz
[Ue] rated operational voltage	230 V AC 50 Hz
Device location in system	Outgoer
Magnetic tripping limit	5...10 x In
[Ics] rated service breaking capacity	7500 A AC 50 Hz conforming to IEC 61009-2-1 7.5 kA AC 50 Hz conforming to IEC 60947
Limitation class	3
[Ui] rated insulation voltage	250 V AC 50 Hz between phase and neutral
Threshold tripping voltage	275 V +/- 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	White (RAL 9003)
Mechanical durability	20000 cycles
Electrical durability	20000 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 Weight	245.0 g
Package 1 Height	4.5 cm
Package 1 width	8.4 cm
Package 1 Length	11.4 cm
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Weight	6.165 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months