

Product datasheet

Specifications



arc fault detection switch, Acti9 iARC, 1P + N, 40 A

A9TSB3640

Main

Range of product	Acti9
Product or component type	Arc fault detection switch
Product specific application	Arc fault detection
Product name	Acti9 iARC
Device short name	IARC
Poles description	1P + N
Neutral position	Left
Network type	AC
Rated breaking and making capacity	Im = 500 A Im1 = 500 A
Rated conditional short-circuit current	Inc 10000 A Icn1 10000 A

Complementary

Device location in system	Outgoer
[In] rated current	40 A
Network frequency	50 Hz
[Ue] rated operational voltage	230 V AC 50 Hz conforming to IEC 62606
[Ui] rated insulation voltage	250 V
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 62606
Threshold tripping voltage	275 V +/- 5 V
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	10000 cycles 230 V AC 50 Hz conforming to IEC 62606

Connections - terminals	Tunnel type terminal1...16 mm² rigid Tunnel type terminal1...10 mm² flexible
Cable entry	Top and bottom
Locking options description	Padlocking device
Wire stripping length	14 mm
Tightening torque	2 N.m
9 mm pitches	4
Height	91 mm
Width	36 mm
Depth	73 mm
Net weight	210 g

Environment

Pollution degree	2 conforming to IEC 62606
Overvoltage category	III
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
Standards	IEC 62606 BS EN 62606
Product certifications	UKCA
Quality labels	VDE

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	234 g
Package 1 Height	4.4 cm
Package 1 width	8.5 cm
Package 1 Length	11.4 cm
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Weight	5.914 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