

Product datasheet

Specifications



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

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	Icn 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 for +/- 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

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

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.400 cm
Package 1 Width	8.500 cm
Package 1 Length	11.400 cm
Package 1 Weight	234.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.914 kg
Unit Type of Package 3	P12
Number of Units in Package 3	192
Package 3 Height	25.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	58.500 kg

Contractual warranty

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

 Environmental footprint	
Total lifecycle Carbon footprint	97 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	0 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	93 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.6 kg CO2 eq.

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	B078722f-7853-4e1e-a05b-29638f57b0ab

Use Longer

 Lifetime extension	
Repair	No

Use Again

 Repack and remanufacture	
Recyclability potential, in %	47
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins