

Product data sheet

Characteristics

A9TS1225

Arc fault detection switch, Acti9 iARC, 1P+N, 25A, 10000A



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	$I_m = 500 \text{ A}$
Rated conditional short-circuit current	Upstream MCB 25A: Inc 10 kA Upstream RCBO 25A: Inc 10 kA

Complementary

Device location in system	Outgoer
[In] rated current	25 A
Network frequency	50 Hz
[Ue] rated operational voltage	230...240 V AC 50 Hz conforming to IEC 62606
[Ui] rated insulation voltage	250 V AC 50 Hz between phase and neutral 400 V AC 50 Hz between phases
[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
Mounting mode	Clip-on
Mounting support	DIN rail
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles 240 V AC 50 Hz conforming to IEC 62606
Heat dissipation	4.38 W at 240 V - 25 A
Connections - terminals	Tunnel type terminal2 cable(s) 2.5 mm ² rigid Tunnel type terminal1 cable(s) 16 mm ² rigid Tunnel type terminal2 cable(s) 2.5 mm ² flexible Tunnel type terminal1 cable(s) 10 mm ² 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	75 mm
Net weight	205 g

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Environment

IP degree of protection	IP20 conforming to IEC 60529
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...60 °C
Ambient air temperature for storage	-40...80 °C
Standards	IEC 62606
Quality labels	RCM

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	240.0 g
Package 1 Height	7.5 cm
Package 1 width	3.6 cm
Package 1 Length	9.1 cm

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