

## Product data sheet

### Characteristics

# A9TS1225

Acti9, 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 for +/- 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 <sup>2</sup> rigid Tunnel type terminal1 cable(s) 16 mm <sup>2</sup> rigid Tunnel type terminal2 cable(s) 2.5 mm <sup>2</sup> flexible Tunnel type terminal1 cable(s) 10 mm <sup>2</sup> 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

## 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 Height	7.5 cm
Package 1 Width	3.6 cm
Package 1 Length	9.1 cm
Package 1 Weight	240.0 g

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
Halogen content performance	Halogen free plastic parts product