

Product data sheet

Characteristics

A9TPE4610

Arc fault detection circuit breaker, Acti9 iC40N
ARC, 1P+N, 10A, C curve, 6000A



Main

Range	Acti9
Product name	Acti9 iC40 ARC
Product or component type	Arc fault detection circuit breaker
Product specific application	Arc fault detection
Standards	EN/IEC 60898-1 EN/IEC 60947-2 EN/IEC 62606
Device short name	iC40 ARC
Poles description	1P + N
[In] rated current	10 A
Curve code	C
Breaking capacity	3000 A Icn1 at 230 V AC 50 Hz conforming to EN/IEC 60898-1 10 KA Icu at 230 V AC 50 Hz conforming to EN/IEC 60947-2 6000 A Icn at 230 V AC 50 Hz conforming to EN/IEC 60898-1
Network type	AC
Neutral position	Left
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic

Complementary

Number of protected poles	1
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	6000 A conforming to EN/IEC 60898-1 7.5 kA conforming to EN/IEC 60947-2
Limitation class	3
Threshold tripping voltage	275 V for +/- 5 V
[Uiimp] rated impulse withstand voltage	4 kV
[Ui] rated insulation voltage	250 V AC
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
Locking options description	Padlocking device
Cable entry	Top and bottom
Connections - terminals	Tunnel type terminal 1...10 mm ² flexible Tunnel type terminal 1...16 mm ² rigid

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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

IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	2
Tropicalisation	Severity B conforming to IEC 60068-2-30 for 28 d
Operating altitude	2000 m
Ambient air temperature for operation	-25...40 °C
Ambient air temperature for storage	-40...80 °C
Quality labels	AENOR OVE

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	8.2 cm
Package 1 Length	11.2 cm
Package 1 Weight	225.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.715 kg
Unit Type of Package 3	P12
Number of Units in Package 3	576
Package 3 Height	60.0 cm
Package 3 Width	80.0 cm
Package 3 Length	120.0 cm
Package 3 Weight	149.16 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins