

# Product data sheet

## Characteristics

# A9TPE4616

Arc fault detection circuit breaker, Acti9 iC40N  
ARC, 1P+N, 16A, 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	16 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 <sup>2</sup> flexible Tunnel type terminal 1...16 mm <sup>2</sup> 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	4.300 cm
Package 1 Width	8.200 cm
Package 1 Length	11.200 cm
Package 1 Weight	227.000 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	5.736 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<input checked="" type="checkbox"/> REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	<input checked="" type="checkbox"/> China RoHS Declaration
RoHS exemption information	<input checked="" type="checkbox"/> Yes
Environmental Disclosure	<input checked="" type="checkbox"/> Product Environmental Profile
Circularity Profile	<input checked="" type="checkbox"/> 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