

Product datasheet

Specifications



Active arc fault detection RCBO, Acti9 iCV40H ARC, 1P + N, 16 A, C curve, 30 mA, type A-SI, 10000 A

A9TDFD616

EAN Code: 3606481906779

Main

Range	Acti9
Product name	Acti9 Active iCV40 ARC
Product or component type	Active arc fault detection RCBO
Device short name	iCV40H ARC
Product specific application	Arc fault detection
Standards	EN/IEC 62606 EN/IEC 61009-1 EN/IEC 60947-2 EN/IEC 61009-2-1 BS EN 62606
Poles description	1P + N
Number of protected poles	1
Curve code	C
Breaking capacity code	H
Breaking capacity	10000 A Icn at 230 V AC 50 Hz conforming to EN/IEC 61009-2-1 10 kA Icu at 230 V AC 50 Hz conforming to EN/IEC 60947-2
Rated breaking and making capacity	Idm 3000 A at 230 V AC 50 Hz conforming to EN/IEC 61009-2-1
Neutral position	Left
Network type	AC
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A-SI (Super Immunised)
Electrical data recording	Date and time Maintenance indicators
Concentrator compatibility	EcoStruxure Panel Server Advanced EcoStruxure Panel Server Entry EcoStruxure Panel Server Universal
Event management	Overvoltage Earth leakage Overload
Type of measurement	Voltage Active power Current Power factor
Accuracy	Voltage: +/- 2 % Current: +/- 2 % Power: +/- 5 %
Suitability for isolation	Yes
Residual current tripping technology	Voltage independent

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

Trip unit technology	Thermal-magnetic
Earth-leakage protection	Integrated

Complementary

[In] rated current	16 A
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	7500 A AC 50 Hz conforming to EN/IEC 61009-2-1 7.5 kA AC 50 Hz conforming to EN/IEC 60947-2
Limitation class	3
[Ui] rated insulation voltage	250 V AC 50 Hz between phase and neutral
Threshold tripping voltage	275 V for +/- 5 V
[Uimp] rated impulse withstand voltage	4 kV
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 230 V AC 50 Hz
Overvoltage category	III
Locking options description	Padlocking device
cable entry	Top and bottom
Connections - terminals	Tunnel type terminal 1...16 mm ² rigid Tunnel type terminal 1...10 mm ² flexible
Wire stripping length	14 mm
Tightening torque	2 N.m
Comb busbar and distribution block compatibility	YES
9 mm pitches	4
Height	91 mm
Width	36 mm
Depth	73 mm
Product weight	220 g
Total power losses	3.408 W
Power losses per pole	2.65 W
Power losses on neutral	0.763 W

Environment

Earth-leakage sensitivity	30 mA
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	2 conforming to EN/IEC 62606
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...50 °C
Ambient air temperature for storage	-40...80 °C
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	238.000 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	6.067 kg

Logistical informations

Country of origin	ES
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Contractual warranty

Warranty (in months)	18
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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	69 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	3 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]	65 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.6 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	B078722f-7853-4e1e-a05b-29638f57b0ab
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Silicone-free	No

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	48
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