

Active arc fault detection RCBO, Acti9 iCV40H ARC, 1P + N, 20 A, C curve, 30 mA, type A-SI, 10000 A

A9TDFD620

EAN Code: 3606481906793

Main

Mani		
Range	Acti9	
product name	Acti9 Active iCV40 ARC	
Product or component type	Active arc fault detection RCBO	
Device short name	iCV40N 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	С	
Breaking capacity code	н	
Breaking capacity	10000 A Icn at 230 V AC 50 Hz conforming to 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 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	

Trip unit technology	Thermal-magnetic
Earth-leakage protection	Integrated

Complementary

Complementary		
[In] rated current	20 A	
Network frequency	50 Hz	
[Ue] rated operational voltage	230 V AC 50 Hz	
Device location in system	Outgoer	
Magnetic tripping limit	510 x ln	
[Ics] rated service breaking capacity	7500 A AC 50 Hz conforming to IEC 61009-2-1 7.5 kA AC 50 Hz conforming to IEC 60947	
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 116 mm² rigid Tunnel type terminal 110 mm² 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	4.068 W	
Power losses per pole	2.796 W	
Power losses on neutral	1.272 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	-2550 °C	
Ambient air temperature for storage	-4080 °C	
Product certifications	TIKCA	

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	240.000 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	6.100 kg

Logistical informations

Country of origin

Contractual warranty

Warranty 18 months



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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	73
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	B078722f-7853-4e1e-a05b-29638f57b0ab
REACh Regulation	REACh Declaration

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins