

Product datasheet

Specifications



Residual current breaker with overcurrent protection (RCBO), Acti9 iCV40N XA, 3P+N, 20A, C curve, 6000A, A type, 30mA

A9DR3720

⚠ Discontinued on: 12 Jun 2024

⚠ Discontinued

Main

Range	Acti9
Product name	Acti9 iCV40 XA
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	iCV40N XA
Device application	Distribution
Poles description	3P + N
Number of protected poles	3
Neutral position	Left
[In] rated current	20 A
Network type	AC
Network frequency	50/60 Hz
Trip unit technology	Thermal-magnetic
Curve code	C
Earth-leakage sensitivity	30 mA
Suitability for isolation	Yes conforming to EN/IEC 60947-2

Complementary

Device location in system	Outgoer
[Ue] rated operational voltage	400 V AC 50/60 Hz
Magnetic tripping limit	5...10 x In
Residual current tripping technology	Voltage independent
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A
Breaking capacity	6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 61009-2-1
[Ics] rated service breaking capacity	6000 A 100 % x Icn at 400 V AC 50/60 Hz conforming to EN/IEC 61009-2-1
Rated breaking and making capacity	I _{dm} 3000 A at 400 V AC 50/60 Hz conforming to EN 61009-2-1 I _{dm} 500 A at 400 V AC 50/60 Hz conforming to IEC 61009-2-1
Limitation class	3 conforming to EN/IEC 61009-2-1
[Ui] rated insulation voltage	440 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	4 kV

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

Surge current	250 A
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication Fault indication
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	Top or bottom: tooth
Connection pitch	18 mm between phases 9 mm between phase and neutral
9 mm pitches	10
Height	93 mm
Width	90 mm
Depth	73 mm
Net weight	490 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	20000 cycles
Locking options description	Sealable Padlocking device
Connections - terminals	Screwless type terminals top comb busbar Tunnel type terminals bottom 1...10 mm² flexible Tunnel type terminals bottom 1...16 mm² rigid
Wire stripping length	14 mm for bottom connection
Tightening torque	2 N.m bottom
Earth-leakage protection	Integrated

Environment

Standards	EN/IEC 60947-2 EN/IEC 61009-2-1
Product certifications	CE
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3
Overvoltage category	III conforming to IEC 60364
Electromagnetic compatibility	8/20 µs impulse withstand, 3000 A conforming to EN/IEC 61009-2-1
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Package 1 Height	82.0 cm
Package 1 Width	10.2 cm
Package 1 Length	11.12 cm
Package 1 Weight	528.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	16
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	8.698 kg

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	33 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	29 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	Yes
SCIP Number	B078722f-7853-4e1e-a05b-29638f57b0ab
Halogen-free status	Halogen free plastic parts & cables product

Use Longer

 Lifetime extension	
Repair	No

Use Again

 Repack and remanufacture	
End of life manual availability	No need of specific recycling operations
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins