

# Product datasheet

Specifications



residual current breaker with  
overcurrent protection (RCBO),  
Acti9 iCV40, 3P+N, 20 A, C Curve,  
6000 A, 30 mA, AC type

A9DE3720

Price: 134,795.46 NGN

## Main

Range	Acti9
Product name	Acti9 iCV40
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	iCV40N
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
Quality labels	EAC IMQ

## 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 AC
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 <sub>dm</sub> 3000 A at 400 V AC 50/60 Hz conforming to EN 61009-2-1 I <sub>dm</sub> 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

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



[Uimp] rated impulse withstand voltage	4 kV
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	500 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	20000 cycles
Locking options description	Padlocking device Sealable
Connections - terminals	Tunnel type terminals top or bottom 1...16 mm² rigid Tunnel type terminals top or bottom 1...10 mm² flexible
Wire stripping length	14 mm for top or bottom connection
Tightening torque	2 N.m top or bottom
Earth-leakage protection	Integrated

## Environment

Standards	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, 250 A conforming to EN/IEC 61009-1
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-5...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	8.8 cm



Package 1 Width	11.2 cm
Package 1 Length	12.5 cm
Package 1 Weight	579.0 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	9.668 kg



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

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
SCIP Number	B078722f-7853-4e1e-a05b-29638f57b0ab
REACH Regulation	<a href="#">REACH Declaration</a>

Use Again

Repack and remanufacture	
End of life manual availability	No need of specific recycling operations
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