

# A9TDF3616

Arc fault detection RCBO, Acti9 iCV40N  
VigiARC, 1P+N, 16A, C curve, 30mA, type A-SI, 6000A



## Main

Range	Acti9
Product name	Acti9 iCV40 ARC
Product or component type	Arc fault detection RCBO
Product specific application	Arc fault detection
Standards	EN/IEC 62606 EN/IEC 61009-1 EN/IEC 60947-2 EN/IEC 61009-2-1
Device short name	iCV40 ARC
Poles description	1P + N
Number of protected poles	1
Curve code	C
Breaking capacity	6000 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
Suitability for isolation	Yes
Residual current tripping technology	Voltage independent
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	6000 A AC 50 Hz conforming to IEC 61009-2-1 7.5 kA AC 50 Hz conforming to 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 <sup>2</sup> rigid Tunnel type terminal 1...10 mm <sup>2</sup> 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
Net weight	220 g



## 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
Quality labels	IMQ AENOR OVE

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.5 cm
Package 1 Width	8.5 cm
Package 1 Length	11.5 cm
Package 1 Weight	237.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	5.991 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>

RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins