

# Product data sheet

Specifications



## Acti9 DPN N Vigi - RCBO - 3P+N - 10A - C Curve - 6000A - 30mA - type AC

A9D31710

! Discontinued on: 14 October 2021

! End-of-service on: 14 October 2021

! Discontinued

### Main

Range	Acti 9
Product name	Acti9 DPN Vigi
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	DPN N Vigi
Device application	Distribution
Poles description	3P + N
Number of protected poles	3
Neutral position	Left
[In] rated current	10 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Earth-leakage sensitivity	30 mA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type AC
Breaking capacity	6000 A Icn at 380...415 V AC 50/60 Hz conforming to EN/IEC 61009-2-1
Suitability for isolation	Yes conforming to EN/IEC 60947-2

### Complementary

Device location in system	Outgoer
Network frequency	50/60 Hz
[Ue] rated operational voltage	380...415 V AC 50/60 Hz
Magnetic tripping limit	5...10 x In
Residual current tripping technology	Voltage independent
[Ics] rated service breaking capacity	6000 A 100 % x Icn at 380...415 V AC 50/60 Hz conforming to EN/IEC 61009-2-1
Rated breaking and making capacity	Idm 6000 A at 380...415 V AC 50/60 Hz conforming to EN/IEC 61009-2-1

<b>Limitation class</b>	3 conforming to EN/IEC 61009-2-1
<b>[Ui] rated insulation voltage</b>	440 V AC 50/60 Hz
<b>[Uimp] rated impulse withstand voltage</b>	4 kV
<b>Contact position indicator</b>	Yes
<b>Control type</b>	Toggle
<b>Local signalling</b>	ON, OFF, fault trip
<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	DIN rail
<b>Comb busbar and distribution block compatibility</b>	Top or bottom: YES
<b>9 mm pitches</b>	10
<b>Height</b>	91 mm
<b>Width</b>	90 mm
<b>Depth</b>	78.5 mm
<b>Net weight</b>	498 g
<b>Colour</b>	White
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	20000 cycles
<b>Locking options description</b>	Padlocking device Sealable
<b>Connections - terminals</b>	Tunnel type terminal top or bottom 0.75...16 mm <sup>2</sup> rigid Tunnel type terminal top or bottom 0.33...10 mm <sup>2</sup> flexible Tunnel type terminal top or bottom 0.33...10 mm <sup>2</sup> flexible with ferrule
<b>Wire stripping length</b>	15 mm for top or bottom connection
<b>Tightening torque</b>	2 N.m top or bottom
<b>Earth-leakage protection</b>	Integrated

## Environment

<b>Standards</b>	EN/IEC 61009-2-1
<b>IP degree of protection</b>	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
<b>Pollution degree</b>	3
<b>Overvoltage category</b>	III conforming to IEC 60364
<b>Electromagnetic compatibility</b>	8/20 µs impulse withstand, 250 A conforming to EN/IEC 61009-2-1
<b>Tropicalisation</b>	2 conforming to IEC 60068-1
<b>Relative humidity</b>	90 % at 55 °C
<b>Ambient air temperature for operation</b>	-5...60 °C
<b>Ambient air temperature for storage</b>	-30...70 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	552.27 g
<b>Package 1 Height</b>	9 cm

Package 1 width	11 cm
Package 1 Length	16.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	14
Package 2 Weight	8.193 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Halogen free plastic parts & cables product

## Recommended replacement(s)

A9D31710 is replaced by:

1x



residual current breaker with overcurrent protection (RCBO), Acti9 iCV40, 3P+N, 10 A, C Curve, 6000 A, 30 mA, AC type  
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