

# Product data sheet

Specifications



## iDPN - circuit breaker - iDPN F - 1P + N - 20A - C curve

A9N21646

⚠ Discontinued on: Oct 14, 2021

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### Main

Range Of Product	Clario
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Product Name	IDPN
Product Or Component Type	Miniature circuit-breaker
Device Short Name	iDPN F
Device Application	Distribution
Poles Description	1P + N
Number Of Protected Poles	1
Neutral Position	Left
[In] Rated Current	20 A
Network Type	AC
Trip Unit Technology	Thermal-magnetic
Curve Code	C
Breaking Capacity	6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 6 kA Icu at 230 V AC 50/60 Hz conforming to IEC 60947-2
Suitability For Isolation	Yes

### Complementary

Network Frequency	50/60 Hz
[Ue] Rated Operational Voltage	230 V AC 50/60 Hz between phase and neutral
Magnetic Tripping Limit	5...10 x In
[Ics] Rated Service Breaking Capacity	6000 A 100 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 4.5 kA 75 % x Icu at 230 V AC 50/60 Hz conforming to IEC 60947-2
Limitation Class	3 conforming to EN/IEC 60898-1
[Ui] Rated Insulation Voltage	400 V AC 50/60 Hz conforming to EN/IEC 60898-1
[Uimp] Rated Impulse Withstand Voltage	4 kV conforming to IEC 60947-2
Contact Position Indicator	Yes
Control Type	Toggle
Local Signalling	ON/OFF indication
Mounting Mode	Clip-on
Mounting Support	DIN rail

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

9 Mm Pitches	2
Height	81 mm
Width	18 mm
Depth	78 mm
Net Weight	115 g
Colour	White
Mechanical Durability	20000 cycles
Electrical Durability	20000 cycles AC
Locking Options Description	Padlocking device
Connections - Terminals	Tunnel type terminals downstream 0.33...10 mm² flexible Tunnel type terminals downstream 0.75...16 mm² rigid Tunnel type terminals upstream 0.33...10 mm² flexible Tunnel type terminals upstream 0.75...16 mm² rigid
Wire Stripping Length	13 mm
Tightening Torque	2 N.m
Earth-Leakage Protection	Separate block

## Environment

Standards	EN/IEC 60898-1 EN/IEC 60947-2
Ip Degree Of Protection	IP20 conforming to IEC 60529
Pollution Degree	3 conforming to IEC 60947-1
Tropicalisation	2 conforming to IEC 60068-1
Relative Humidity	95 % at 55 °C
Operating Altitude	2000 m
Ambient Air Temperature For Operation	-25...70 °C
Ambient Air Temperature For Storage	-40...70 °C

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.5 cm
Package 1 Width	1.8 cm
Package 1 Length	8.9 cm
Package 1 Weight	116 g

## Contractual warranty

Warranty	18 months
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# Sustainability




**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)

## Well-being performance

 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
 Halogen Free Product	
Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins