

# Product datasheet

## Characteristics

# A9N21555

iDPN - circuit breaker - iDPN N - 1P + N - 6A - C curve



### Main

Range of product	Clario
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Product name	IDPN
Product or component type	Miniature circuit-breaker
Device short name	IDPN N
Device application	Distribution
Poles description	1P + N
Number of protected poles	1
Neutral position	Left
[In] rated current	6 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA I <sub>cu</sub> at 230 V AC 50/60 Hz conforming to IEC 60947-2 6000 A I <sub>cn</sub> at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1
Suitability for isolation	Yes

### Complementary

Network frequency	50/60 Hz
[U <sub>e</sub> ] rated operational voltage	230 V AC 50/60 Hz between phase and neutral
Magnetic tripping limit	5...10 x I <sub>n</sub>
[I <sub>cs</sub> ] rated service breaking capacity	6000 A 100 % x I <sub>cn</sub> at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 7.5 kA 75 % x I <sub>cn</sub> at 230 V AC 50/60 Hz conforming to IEC 60947-2
Limitation class	3 conforming to EN/IEC 60898-1
[U <sub>i</sub> ] rated insulation voltage	400 V AC 50/60 Hz conforming to IEC 60947-2
[U <sub>imp</sub> ] 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
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
Locking options description	Padlocking device
Connections - terminals	Tunnel type terminals downstream 0.33...10 mm <sup>2</sup> flexible Tunnel type terminals downstream 0.75...16 mm <sup>2</sup> rigid Tunnel type terminals upstream 0.33...10 mm <sup>2</sup> flexible Tunnel type terminals upstream 0.75...16 mm <sup>2</sup> 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

## 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>
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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