

# Product datasheet

Specifications



## Miniature circuit breaker (MCB), Acti9 NG125N, 4P, 125A, C curve, 25kA (IEC/EN 60947-2)

18661

### Main

Range Of Product	NG125
Range	Acti9
Product Name	Acti9 NG125
Product Or Component Type	Miniature circuit-breaker
Device Short Name	NG125N
Device Application	Distribution
Poles Description	4P
Number Of Protected Poles	4
[In] Rated Current	125 A at 40 °C
Network Type	AC DC
Trip Unit Technology	Thermal-magnetic
Curve Code	C
Breaking Capacity	20 kA Icu at <= 500 V DC conforming to EN/IEC 60947-2 10 kA Icu at 500 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 25 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2
Utilisation Category	Category A conforming to IEC 60947-2
Suitability For Isolation	Yes conforming to IEC 60947-2

### Complementary

Network Frequency	50/60 Hz
[Ue] Rated Operational Voltage	380...415 V AC 50/60 Hz 500 V AC 50/60 Hz <= 500 V DC 220...240 V AC 50/60 Hz 440 V AC 50/60 Hz
Magnetic Tripping Limit	8 x In
[Ics] Rated Service Breaking Capacity	37.5 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 18.75 kA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 7.5 kA 75 % conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz 20 kA 100 % conforming to EN/IEC 60947-2 - <= 500 V DC
[Ui] Rated Insulation Voltage	690 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to EN/IEC 60947-2
Contact Position Indicator	Yes

<b>Control Type</b>	Manual tripping test Toggle
<b>Local Signalling</b>	Trip indicator ON/OFF indication
<b>Mounting Mode</b>	Clip-on
<b>Mounting Support</b>	35 mm symmetrical DIN rail
<b>Mounting Position</b>	Vertical
<b>Comb Busbar And Distribution Block Compatibility</b>	NO
<b>9 Mm Pitches</b>	12
<b>Height</b>	103 mm
<b>Depth</b>	81 mm
<b>Width</b>	108 mm
<b>Net Weight</b>	0.96 kg
<b>Mechanical Durability</b>	20000 cycles
<b>Electrical Durability</b>	5000 cycles
<b>Provision For Padlocking</b>	Padlockable
<b>Locking Options Description</b>	Integrated padlocking
<b>Connections - Terminals</b>	Tunnel type terminals16...70 mm <sup>2</sup> rigid Tunnel type terminals10...50 mm <sup>2</sup> flexible
<b>Wire Stripping Length</b>	20 mm
<b>Tightening Torque</b>	6 N.m
<b>Earth-Leakage Protection</b>	Separate block

## Environment

<b>Standards</b>	EN/IEC 60947-2
<b>Ip Degree Of Protection</b>	IP20 conforming to IEC 60529
<b>Ik Degree Of Protection</b>	IK05 conforming to EN/IEC 62262
<b>Pollution Degree</b>	3 conforming to IEC 60947-2
<b>Overvoltage Category</b>	IV
<b>Tropicalisation</b>	2 conforming to IEC 60068-1
<b>Relative Humidity</b>	95 % at 55 °C
<b>Ambient Air Temperature For Operation</b>	-30...70 °C
<b>Ambient Air Temperature For Storage</b>	-40...70 °C

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	8.600 cm
<b>Package 1 Width</b>	12.400 cm
<b>Package 1 Length</b>	15.700 cm
<b>Package 1 Weight</b>	1.049 kg
<b>Unit Type Of Package 2</b>	S03

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<b>Number Of Units In Package 2</b>	12
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	12.907 kg

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## **Contractual warranty**

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<b>Warranty</b>	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.

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



Transparency RoHS/REACH

## Well-being performance

Reach Free Of Svhc

Toxic Heavy Metal Free

Mercury Free

Rohs Exemption Information Yes

## Certifications & Standards

**Reach Regulation**

[REACH Declaration](#)

**Eu Rohs Directive**

Compliant

[EU RoHS Declaration](#)

**China Rohs Regulation**

[China RoHS declaration](#)

Pro-active China RoHS declaration (out of China RoHS legal scope)

**Environmental Disclosure**

[Product Environmental Profile](#)

**Weee**

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

**Circularity Profile**

[End of Life Information](#)