# **Product datasheet**

Specifications





### NG125 - circuit breaker - NG125L - 2P - 80A - C curve

18796

#### ① Discontinued

#### Main

Range Of Product	NG125
Range	Acti9
Product Name	Acti9 NG125
Product Or Component Type	Miniature circuit-breaker
Device Short Name	NG125L
Device Application	Distribution
Poles Description	2P
Number Of Protected Poles	2
Neutral Position	Left
[In] Rated Current	80 A at 40 °C
Network Type	DC AC
Trip Unit Technology	Thermal-magnetic
Curve Code	С
Breaking Capacity	100 kA Icu at 220240 V AC 50/60 Hz conforming to EN/IEC 60947-2 40 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu at 380415 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 500 V AC 50/60 Hz conforming to EN/IEC 60947-2 36 kA Icu at <= 250 V DC 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	380415 V AC 50/60 Hz 500 V AC 50/60 Hz 220240 V AC 50/60 Hz 440 V AC 50/60 Hz <= 250 V DC
Magnetic Tripping Limit	8 x ln +/- 20 %
[Ics] Rated Service Breaking Capacity	75 kA 75 % conforming to EN/IEC 60947-2 - 220240 V AC 50/60 Hz 37.5 kA 75 % conforming to EN/IEC 60947-2 - 380415 V AC 50/60 Hz 30 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 11.25 kA 75 % conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz 50 kA 100 % conforming to EN/IEC 60947-2 - 250 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
Control Type	Toggle Manual tripping test
Local Signalling	ON/OFF indication Trip indicator
Mounting Mode	Clip-on
Mounting Support	35 mm symmetrical DIN rail
Mounting Position	Vertical
Comb Busbar And Distribution Block Compatibility	NO
9 Mm Pitches	6
Height	103 mm
Depth	81 mm
Width	54 mm
Net Weight	0.48 kg
Mechanical Durability	20000 cycles
Electrical Durability	5000 cycles
Provision For Padlocking	Padlockable
Locking Options Description	Integrated padlocking
Connections - Terminals	Tunnel type terminals1670 mm² rigid Tunnel type terminals1050 mm² flexible
Wire Stripping Length	20 mm
Tightening Torque	6 N.m
Earth-Leakage Protection	Separate block

### Environment

Standards	EN/IEC 60947-2
Ip Degree Of Protection	IP20 conforming to IEC 60529
Ik Degree Of Protection	IK05 conforming to EN/IEC 62262
Pollution Degree	3 conforming to IEC 60947-2
Overvoltage Category	IV
Tropicalisation	2 conforming to IEC 60068-1
Relative Humidity	95 % at 55 °C
Operating Altitude	2000 m
Ambient Air Temperature For Operation	-3070 °C
Ambient Air Temperature For Storage	-4070 °C

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.8 cm
Package 1 Width	8.6 cm

Package 1 Length	11.1 cm
Package 1 Weight	502 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	6
Package 2 Height	9.3 cm
Package 2 Width	11.9 cm
Package 2 Length	36 cm
Package 2 Weight	3.099 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	36
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	19.081 kg

### **Contractual warranty**

Warranty

18 months

### Sustainability Screen

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass 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 >



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