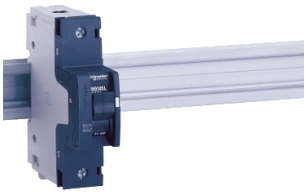
Product datasheet

Specifications



NG125 - circuit breaker - NG125L - 1P - 80A - B curve

18749

Main

Range	Acti9
Product name	Acti9 NG125
Product or component type	Miniature circuit-breaker
Device short name	NG125L
Device application	Distribution
Poles description	1P
Number of protected poles	1
[In] rated current	80 A at 40 °C
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	B
Breaking capacity	50 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 100 kA Icu at 110...130 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu at 12 V DC conforming to EN/IEC 60947-2 50 kA Icu at 125 V DC conforming to EN/IEC 60947-2 36 kA Icu at <= 144 V DC conforming to EN/IEC 60947-2 12.5 kA Icu at 380...415 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
Standards	EN/IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	380...415 V AC 50/60 Hz 125 V DC <= 144 V DC 12 V DC 220...240 V AC 50/60 Hz 110...130 V AC 50/60 Hz
Magnetic tripping limit	4 x In
[Ics] rated service breaking capacity	37.5 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 75 kA 75 % conforming to EN/IEC 60947-2 - 110...130 V AC 50/60 Hz 9.37 kA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 50 kA 100 % conforming to EN/IEC 60947-2 - 60 V DC 50 kA 100 % conforming to EN/IEC 60947-2 - 125 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

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

Control type	Toggle Manual tripping test
Local signalling	ON/OFF indication Trip indicator
Mounting mode	Clip-on
Mounting position	Vertical
Mounting support	35 mm symmetrical DIN rail
Comb busbar and distribution block compatibility	NO
9 mm pitches	3
Height	103 mm
Depth	81 mm
Width	27 mm
Net weight	0.24 kg
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Provision for padlocking	Padlockable
Locking options description	Integrated padlocking
Connections - terminals	Tunnel type terminals16…70 mm^2 rigid Tunnel type terminals10…50 mm^2 flexible
Wire stripping length	20 mm
Tightening torque	6 N.m
Earth-leakage protection	Without

Environment

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	-30…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	3 cm
Package 1 Width	8 cm
Package 1 Length	10.8 cm
Package 1 Weight	257 g
Unit Type of Package 2	BB1

Number of Units in Package 2	12
Package 2 Height	9 cm
Package 2 Width	11.7 cm
Package 2 Length	35.7 cm
Package 2 Weight	3.172 kg
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	19.519 kg

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**32 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**2 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**30 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.5 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**Yes**
SCIP Number	**E6bcfac5-a8c1-4bc2-b9b0-148b3c04ae46**
Halogen-free status	**Product contains halogen above thresholds**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**58**
End of life manual availability	**No need of specific recycling operations**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**