Product datasheet

Specifications





NG125 - circuit breaker - NG125N - 3P - 20A - C curve

18634

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	3P
Number Of Protected Poles	3
[In] Rated Current	20 A at 40 °C
Network Type	AC DC
Trip Unit Technology	Thermal-magnetic
Curve Code	C
Breaking Capacity	20 kA lcu at <= 375 V DC conforming to EN/IEC 60947-2 10 kA lcu at 500 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA lcu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 25 kA lcu at 380415 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA lcu at 220240 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	<= 375 V DC 380415 V AC 50/60 Hz 500 V AC 50/60 Hz 220240 V AC 50/60 Hz 440 V AC 50/60 Hz
Magnetic Tripping Limit	8 x ln
[Ics] Rated Service Breaking Capacity	37.5 kA 75 % conforming to EN/IEC 60947-2 - 220240 V AC 50/60 Hz 18.75 kA 75 % conforming to EN/IEC 60947-2 - 380415 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 - <= 375 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	Manual tripping test
	Toggle
Local Signalling	Trip indicator
	ON/OFF indication
Mounting Mode	Clip-on
Mounting Support	35 mm symmetrical DIN rail
Mounting Position	Vertical
Comb Busbar And Distribution	YES
Block Compatibility	
9 Mm Pitches	9
Height	103 mm
Depth	81 mm
Width	81 mm
Net Weight	0.72 kg
Mechanical Durability	20000 cycles
Electrical Durability	10000 cycles
Provision For Padlocking	Padlockable
Locking Options Description	Integrated padlocking
Connections - Terminals	Tunnel type terminals1.550 mm ² rigid
	Tunnel type terminals135 mm² flexible
Wire Stripping Length	20 mm
Tightening Torque	3.5 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
Ambient Air Temperature For Operation	-3070 °C
Ambient Air Temperature For Storage	-4070 °C

Packing Units

U	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.600 cm
Package 1 Width	12.400 cm
Package 1 Length	13.200 cm
Package 1 Weight	752.000 g
Unit Type Of Package 2	S03

Number Of Units In Package 2	18
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	14.152 kg

Contractual warranty

Warranty

12 months

Sustainability Screen

Green PremiumTM 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-CO₂ 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