



Main

Range of product	NG125
Range	Acti 9
Product name	Acti 9 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	80 A at 40 °C
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	20 kA Icu at ≤ 375 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	≤ 375 V DC 380...415 V AC 50/60 Hz 500 V AC 50/60 Hz 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 - ≤ 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
Comb busbar and distribution block compatibility	NO
9 mm pitches	9
Height	103 mm
Width	81 mm
Depth	81 mm
Product weight	0.72 kg
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Provision for padlocking	Padlockable
Locking options description	Integrated padlocking
Connections - terminals	Tunnel type terminals 16...70 mm² rigid Tunnel type terminals 10...50 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
Ambient air temperature for operation	-30...70 °C
Ambient air temperature for storage	-40...70 °C

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

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

Warranty	18 months
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18640 is replaced by:



Enclosures NSYSM16840P

Spacial SM compact enclosure with mounting plate - 1600x800x400 mm

Qty 1

Reason for Substitution: Rebranding | Substitution date: 14 November 2009 | New Design