# **Product datasheet**

Specification





## Miniature circuit breaker (MCB), Acti9 NG125N, 4P, 80A, B curve, 25kA (IEC/EN 60947-2)

18666

#### ! Discontinued

### 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	80 A at 40 °C
Network Type	AC DC
Trip Unit Technology	Thermal-magnetic
Curve Code	В
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 380415 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu 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	380415 V AC 50/60 Hz 500 V AC 50/60 Hz <= 500 V DC 220240 V AC 50/60 Hz 440 V AC 50/60 Hz
Magnetic Tripping Limit	4 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 - <= 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

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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 Block Compatibility	NO
9 Mm Pitches	12
Height	103 mm
Depth	81 mm
Width	108 mm
Net Weight	0.96 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
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	8.6 cm
Package 1 Width	12.4 cm
Package 1 Length	15.7 cm
Package 1 Weight	1.057 kg

Unit Type Of Package 2	S03
Number Of Units In Package 2	12
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	13.171 kg

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

### Well-being performance

<b>②</b>	Reach Free Of Svhc	
<b>9</b>	Toxic Heavy Metal Free	
<b>②</b>	Mercury Free	
<b>⊘</b>	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