

# Product data sheet

Specifications



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

18658

### 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	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
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 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	380...415 V AC 50/60 Hz 500 V AC 50/60 Hz <= 500 V DC 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 - <= 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

<b>Contact position indicator</b>	Yes
<b>Control type</b>	Toggle Manual tripping test
<b>Local signalling</b>	Trip indicator ON/OFF indication
<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	35 mm symmetrical DIN rail
<b>Comb busbar and distribution block compatibility</b>	NO
<b>9 mm pitches</b>	12
<b>Height</b>	103 mm
<b>Width</b>	108 mm
<b>Depth</b>	81 mm
<b>Net weight</b>	0.96 kg
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	5000 cycles
<b>Provision for padlocking</b>	Padlockable
<b>Locking options description</b>	Integrated padlocking
<b>Connections - terminals</b>	Tunnel type terminals16...70 mm <sup>2</sup> rigid Tunnel type terminals10...50 mm <sup>2</sup> flexible
<b>Wire stripping length</b>	20 mm
<b>Tightening torque</b>	6 N.m
<b>Earth-leakage protection</b>	Separate block

## Environment

<b>Standards</b>	EN/IEC 60947-2
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>IK degree of protection</b>	IK05 conforming to EN/IEC 62262
<b>Pollution degree</b>	3 conforming to IEC 60947-2
<b>Overvoltage category</b>	IV
<b>Tropicalisation</b>	2 conforming to IEC 60068-1
<b>Relative humidity</b>	95 % at 55 °C
<b>Ambient air temperature for operation</b>	-30...70 °C
<b>Ambient air temperature for storage</b>	-40...70 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	8.6 cm
<b>Package 1 Width</b>	12.4 cm
<b>Package 1 Length</b>	15.6 cm
<b>Package 1 Weight</b>	1.05 kg
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	12

Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	13.036 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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## Recommended replacement(s)