

# Product data sheet

Specifications



## Miniature circuit breaker (MCB), Acti9 NG125H, 4P, 80A, C curve, 36kA (IEC/EN 60947-2)

18740

### Main

Range of product	NG125
Range	Acti9
Product name	Acti9 NG125
Product or component type	Miniature circuit-breaker
Device short name	NG125H
Device application	Distribution
Poles description	4P
Number of protected poles	4
Neutral position	Left
[In] rated current	80 A at 40 °C
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	12 kA Icu at 500 V AC 50/60 Hz conforming to EN/IEC 60947-2 30 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 36 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 70 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 25 kA Icu at <= 500 V DC 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 +/- 20 %
[Ics] rated service breaking capacity	52.5 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 27 kA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 22.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 9 kA 75 % conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz 36 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
Contact position indicator	Yes
Control type	Manual tripping test Toggle
Local signalling	ON/OFF indication Trip indicator
Mounting mode	Clip-on
Mounting support	35 mm symmetrical DIN rail
Comb busbar and distribution block compatibility	NO
9 mm pitches	12
Height	103 mm
Width	108 mm
Depth	81 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 terminals16...70 mm² rigid Tunnel type terminals10...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
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	8 cm
Package 1 Width	12 cm
Package 1 Length	16 cm
Package 1 Weight	1.044 kg

Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	13.006 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)