



Main

Range of product	NG125
Range	Acti 9
Product name	Acti 9 NG125
Product or component type	Miniature circuit-breaker
Device short name	NG125L
Device application	Distribution
Poles description	1P
Number of protected poles	1
[In] rated current	80 A at 40 °C
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity code	L
Breaking capacity	50 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 100 kA Icu conforming to EN/IEC 60947-2 - 110...130 V AC 50/60 Hz 50 kA Icu conforming to EN/IEC 60947-2 - 125 V DC 50 kA Icu conforming to EN/IEC 60947-2 - 12 V DC 36 kA Icu conforming to EN/IEC 60947-2 - <= 144 V DC 12.5 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz
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	<= 144 V DC 12 V DC 125 V DC 220...240 V AC 50/60 Hz 380...415 V AC 50/60 Hz 110...130 V AC 50/60 Hz
Magnetic tripping limit	8 x In
[Ics] rated service breaking capacity	37.5 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 75 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 110...130 V AC 50/60 Hz 9.37 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 50 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 60 V DC

50 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 125 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	Toggle Manual tripping test
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
Connection pitch	27 mm : Between devices
9 mm pitches	3
Height	103 mm
Width	27 mm
Depth	81 mm
Product weight	0.24 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 mm ² rigid Tunnel type terminals 10...50 mm ² flexible
Wire stripping length	20 mm
Tightening torque	6 N.m
Earth-leakage protection	Without
Compatibility code	NG125
Market segment	Small buildings Small commercial

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 % 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-30...70 °C
Ambient air temperature for storage	-40...70 °C

Contractual warranty

Warranty period	18 months
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