



Main

Circuit breaker application	Distribution
Range of product	NG125
Product or component type	Circuit breaker
Device short name	NG125N
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	D
Breaking capacity	20 kA Icu conforming to EN/IEC 60947-2 - ≤ 500 V DC 50 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 25 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 20 kA Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 10 kA Icu conforming to EN/IEC 60947-2 - 500 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
Magnetic tripping limit	12 x In
[Ics] rated service breaking capacity	25 kA 100 % x Icu conforming to EN/IEC 60947-2 - 500 V DC 7.5 kA 75 % x Icu conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz 15 kA 75 % x Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 18.75 kA 75 % x Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 37.5 kA 75 % x Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz
[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 distribution block compatibility	NO
9 mm pitches	12
Height	103 mm
Width	108 mm
Depth	81 mm
Product 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 terminals flexible wire(s) 10...50 mm² max Tunnel type terminals rigid wire(s) 16...70 mm² max
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 IEC 62262
Pollution degree	3 conforming to IEC 60947-2
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % 55 °C
Ambient air temperature for operation	-10...60 °C
Ambient air temperature for storage	-40...70 °C

Contractual warranty

Period	18 months
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