



Main

Range	Compact
Range of product	Compact NS100...630
Product or component type	Circuit breaker
Product name	Compact NS
Device short name	Compact NS125E
Circuit breaker name	Compact NS125E
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	DC AC
Network frequency	50/60 Hz
[In] rated current	125 A 40 °C
[Ui] rated insulation voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ue] rated operational voltage	500 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	E
Breaking capacity	6 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 415 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 16 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 5 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC
[Ics] rated service breaking capacity	Ics 3 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 5 kA 415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 5 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 8 kA 380 V AC 50/60 Hz conforming to IEC 60947-2 Ics 12.5 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	80 A (40 °C)
Protection type	Short-circuit protection (magnetic)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Overload protection (thermal)

Pollution degree	3 conforming to IEC 60947
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Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	10000 cycles
Electrical durability	6000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 6000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Long time pick-up adjustment type I _r	Fixed
Long time pick-up adjustment range	0.8...1 x I _n
Instantaneous pick-up adjustment type I _i	Fixed
Instantaneous pick-up adjustment range	1000 A
Height	161 mm
Width	105 mm
Depth	86 mm
Compatibility code	NS125

Environment

Standards	IEC 60947-2
Product certifications	LCIE KEMA ASTA ASEFA
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Contractual warranty

Warranty period	18 months
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