



### Main

Range	Compact
Range of product	Compact NS100...630
Product or component type	Circuit breaker
Product name	Compact NS
Device short name	Compact NS160SX
Circuit breaker name	Compact NS160SX
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC DC
Network frequency	50/60 Hz
[In] rated current	150 A 65 °C 160 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	690 V AC 50/60 Hz conforming to IEC 60947-2 750 V DC conforming to IEC 60947-2
Breaking capacity code	SX
Breaking capacity	50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 90 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 10 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 35 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 36 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 50 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 50 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 90 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

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

Trip unit rating	100 A
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)
Pollution degree	3 conforming to IEC 60947

### Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	40000 cycles
Electrical durability	20000 cycles 440 V AC 50/60 Hz I <sub>n</sub> conforming to IEC 60947-2 40000 cycles 440 V AC 50/60 Hz I <sub>n</sub> /2 conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Long time pick-up adjustment type I <sub>r</sub>	Adjustable
Long time pick-up adjustment range	0.8...1 x I <sub>n</sub>
Instantaneous pick-up adjustment type I <sub>i</sub>	Fixed
Instantaneous pick-up adjustment range	1250 A
Height	161 mm
Width	105 mm
Depth	86 mm
Compatibility code	NS160

### Environment

Standards	IEC 60947-2
Product certifications	ASEFA ASTA KEMA LCIE
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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Product Life Status

END-OF-SALE NOTICE