



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	4P
Protected poles description	3t
Neutral position	Left
Network type	AC DC
Network frequency	50/60 Hz
[In] rated current	150 A 65 °C 160 A 40 °C
[U _i] rated insulation voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[U _{imp}] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[U _e] 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 I _{cu} at 440 V AC 50/60 Hz conforming to IEC 60947-2 10 kA I _{cu} at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 kA I _{cu} at 525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA I _{cu} at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 36 kA I _{cu} at 500 V AC 50/60 Hz conforming to IEC 60947-2 90 kA I _{cu} at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
[I _{cs}] rated service breaking capacity	I _{cs} 10 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 I _{cs} 35 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 I _{cs} 36 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 I _{cs} 50 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 I _{cs} 50 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 I _{cs} 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

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 technology	Thermal-magnetic
Trip unit rating	63 A (40 °C)
Protection type	Short-circuit protection (magnetic) Overload protection (thermal)
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 In conforming to IEC 60947-2 40000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Neutral protection setting	No protection
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.8...1 x In
Instantaneous pick-up adjustment type li	Fixed
Instantaneous pick-up adjustment range	500 A
Height	161 mm
Width	140 mm
Depth	86 mm
Compatibility code	NS160

Environment

Standards	IEC 60947-2
Product certifications	LCIE ASTA ASEFA KEMA
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