

Product datasheet

Specifications



circuit breaker Compact NS250SX - STR22SE - 250 A - 3 poles 3d

35990

⚠ Discontinued on: 1 Nov 2020

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Main

Range Of Product	Compact NS100...630
Product Or Component Type	Circuit breaker
Device Short Name	Compact NS250SX
Circuit Breaker Name	Compact NS250SX
Device Application	Distribution
Poles Description	3P
Protected Poles Description	3t
Network Type	DC AC
Network Frequency	50/60 Hz
[In] Rated Current	220 A at 65 °C 250 A at 40 °C
[Uij] 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	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 50 kA Icu at 440 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	10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 90 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 36 kA at 500 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	STR22SE
Trip Unit Technology	Electronic
Trip Unit Rating	225 A at 70 °C 237.5 A at 60 °C 250 A at 40 °C

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

Protection Type	Short time short-circuit protection Overload protection (long time) Instantaneous short-circuit protection
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	20000 cycles
Electrical Durability	10000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 20000 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 Ir	Adjustable 48 settings
Long Time Pick-Up Adjustment Range	0.4...1 x In
Long Time Delay Adjustment Type	Fixed
[Tr] Long-Time Delay Adjustment Range	90...180 s 1.5 x Ir 3.2...5 s 7.2 x Ir 5...7.5 s 6 x Ir
Short-Time Pick-Up Adjustment Type Isd	Adjustable 8 settings
[Isd] Short-Time Pick-Up Adjustment Range	2...10 x Ir
Short-Time Delay Adjustment Type	Fixed
[Tsd] Short-Time Delay Adjustment Range	0.04...0.06 s
Instantaneous Pick-Up Adjustment Type Ii	Fixed
Instantaneous Pick-Up Adjustment Range	>= 11 x In
Display Type	LED
Height	161 mm
Width	105 mm
Depth	86 mm

Environment

Standards	IEC 60947-2
Product Certifications	LCIE ASEFA ASTA 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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Contractual warranty

Warranty	18 months
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