

# circuit breaker Compact NS250N - STR22SE - 250 A - 4 poles 4d

31780

① Discontinued

#### Main

Man	
Range Of Product	Compact NS100630
Product Or Component Type	Circuit breaker
Device Short Name	Compact NS250N
Circuit Breaker Name	Compact NS250N
Device Application	Distribution
Poles Description	4P
Protected Poles Description	4t 3t + N/2 3t
Neutral Position	Left
Network Type	DC AC
Network Frequency	50/60 Hz
[In] Rated Current	220 A at 65 °C 250 A at 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	N
Breaking Capacity	85 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 85 kA at 240 V AC 50/60 Hz conforming to UL 508 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC 35 kA at 480 V AC 50/60 Hz conforming to UL 508 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 18 kA at 600 V AC 50/60 Hz conforming to UL 508
[Ics] Rated Service Breaking Capacity	8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 22 kA at 525 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 20 °C
Protection Type	Protection of the fourth pole Instantaneous short-circuit protection Overload protection (long time) Short time short-circuit protection
Pollution Degree	3 conforming to IEC 60947

### Complementary

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
Neutral Protection Setting	No protection 1 x lr 0.5 x lr
Long Time Pick-Up Adjustment Type Ir	Adjustable 48 settings
Long Time Pick-Up Adjustment Range	0.41 x ln
Long Time Delay Adjustment Type	Fixed
[Tr] Long-Time Delay Adjustment Range	90180 s 1.5 x lr 3.25 s 7.2 x lr 57.5 s 6 x lr
Short-Time Pick-Up Adjustment Type Isd	Adjustable 8 settings
[Isd] Short-Time Pick-Up Adjustment Range	210 x lr
Short-Time Delay Adjustment Type	Fixed
[Tsd] Short-Time Delay Adjustment Range	0.040.06 s
Instantaneous Pick-Up Adjustment Type Ii	Fixed
Instantaneous Pick-Up Adjustment Range	>= 11 x ln
Display Type	LED
Height	161 mm
Width	140 mm
Depth	86 mm

#### **Environment**

Standards IEC 60947-2

Product Certifications	ASTA LCIE KEMA ASEFA
Ip Degree Of Protection	IP40 conforming to IEC 60529
Ik Degree Of Protection	IK07 conforming to EN 50102
Ambient Air Temperature For Operation	-2570 °C
Ambient Air Temperature For Storage	-5085 °C

# Packing Units

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

## **Contractual warranty**

Warranty 18 months

#### Sustainability

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency

Eu Rohs Directive Not applicable, out of EU RoHS legal scope

Environmental Disclosure Product Environmental Profile