

Product datasheet

Specifications



circuit breaker Compact NS400N - STR23SP - 37 A - 3 poles 3d

32673

⚠ Discontinued on: 12 May 2023

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Main

Range of product	Compact NS100...630
Product or component type	Circuit breaker
Device short name	Compact NS400N
Circuit breaker name	Compact NS400N
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
[In] rated current	370 A at 65 °C 400 A at 40 °C
[Ui] rated insulation voltage	1250 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	1000 V AC 50/60 Hz conforming to IEC 60947-2 1150 V 50/60 Hz
Breaking capacity code	N
Breaking capacity	10 kA Icu at 1000 V conforming to IEC 60947-2
[Ics] rated service breaking capacity	10 kA at 1000 V conforming to IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	STR23SP
Trip unit technology	Electronic
Trip unit rating	400 A
Protection type	Short time short-circuit protection Instantaneous short-circuit protection Overload protection (long time)
Pollution degree	3 conforming to IEC 60947

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate

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

Upside connection	Front
Downside connection	Front
Circuit breaker CT rating	150 A
Mechanical durability	15000 cycles
Electrical durability	2000 cycles 1000 V AC 50/60 Hz In conforming to IEC 60947-2 4000 cycles 1000 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Connection pitch	45 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
Short-time pick-up adjustment type Isd	Adjustable 8 settings
[Isd] short-time pick-up adjustment range	2...9 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	>= 9 x In
Display type	LED
Current sensor rating range	250 A 150 A 400 A
Height	140 mm
Width	480 mm
Depth	110 mm

Environment

Standards	IEC 60947-2
Product certifications	LCIE ASEFA KEMA ASTA
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 (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better



Materials and Substances

EU RoHS Directive

[Compliant](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins