

Product datasheet

Specifications



circuit breaker Compact NS400N - STR53UE - 400 A - 3 poles 3d

32699

⚠ Discontinued on: 1 Nov 2020

⚠ Discontinued

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 DC
Network frequency	50/60 Hz
[In] rated current	400 A at 40 °C 320 A at 65 °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 22 kA Icu at 525 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 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 42 kA Icu at 440 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
[Ics] rated service breaking capacity	85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 440 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
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	STR53UE F
Trip unit technology	Electronic
Trip unit rating	400 A
Protection type	Instantaneous short-circuit protection Short time short-circuit protection Overload protection (long time)

Pollution degree	3 conforming to IEC 60947
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Complementary

Control type	Toggle
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Mounting mode	Fixed
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Mounting support	Backplate
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Upside connection	Front
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Downside connection	Front
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Circuit breaker CT rating	400 A
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Mechanical durability	15000 cycles
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Electrical durability	12000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 6000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2
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Connection pitch	45 mm
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Local signalling	Positive contact indication
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Long time pick-up adjustment type I _r	Adjustable 48 settings
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Long time pick-up adjustment range	0.4...1 x I _n
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Long time delay adjustment type	Adjustable
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[tr] long-time delay adjustment range	12...16 s 6 x I _r 138...200 s 1.5 x I _r 277...400 s 1.5 x I _r 3...4 s 6 x I _r 34...50 s 1.5 x I _r 6...8 s 6 x I _r 69...100 s 1.5 x I _r 8...15 s 1.5 x I _r 0.2...0.74 s 7.2 x I _r 0.4...0.5 s 6 x I _r 1...1.4 s 7.2 x I _r 1.5...2 s 6 x I _r 2...2.8 s 7.2 x I _r 4...5.5 s 7.2 x I _r 8.2...11 s 7.2 x I _r
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Short-time pick-up adjustment type I _{sd}	Adjustable 8 settings
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[I _{sd}] short-time pick-up adjustment range	1.5...10 x I _r
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Short-time delay adjustment type	Adj 4 setgs + const I ² t option
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[tsd] short-time delay adjustment range	0.14...0.23 s 0.23...0.35 s 0.015...0.06 s 0.06...0.14 s
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Instantaneous pick-up adjustment type I _i	Adjustable
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Instantaneous pick-up adjustment range	1.5...11 x I _n
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Display type	LED
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Height	255 mm
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Width	140 mm
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Depth	110 mm
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Environment

Standards	IEC 60947-2
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Product certifications	LCIE KEMA ASTA ASEFA
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 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