



### Main

Range of product	Compact NS100...630
Device short name	Compact NS400N
Circuit breaker name	Compact NS400N
Circuit breaker application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC DC
Network frequency	50/60 Hz
[In] rated current	320 A ( 65 °C ) 400 A ( 40 °C )
[U <sub>i</sub> ] rated insulation voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[U <sub>e</sub> ] 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	42 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 85 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC I <sub>cu</sub> 22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> 42 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
[I <sub>cs</sub> ] rated service breaking capacity	I <sub>cs</sub> 22 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 30 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 42 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 50 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cs</sub> 85 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	STR23SE
Trip unit technology	Electronic
Protection type	Instantaneous short-circuit protection Overload protection (long time) Short time 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

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Circuit breaker CT rating	400 A
Mechanical durability	15000 cycles
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
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	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 I <sub>sd</sub>	Adjustable 8 settings
[I <sub>sd</sub> ] 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 I <sub>i</sub>	Fixed
Instantaneous pick-up adjustment range	11 x In
Display type	LED
Height	255 mm
Width	140 mm
Depth	110 mm

## Environment

Standards	IEC 60947-2
Product certifications	ASEFA ASTA KEMA LCIE
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