



Main

Range of product	NSJ400...600
Product or component type	Circuit breaker
Device short name	Compact NSJ400H
Circuit breaker name	Compact NSJ400H
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
Upside connection	Front
Downside connection	Front
[In] rated current	400 A (40 °C)
[Ui] rated insulation voltage	690 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	500 V DC conforming to IEC 60947-2
Breaking capacity code	H
Breaking capacity	100 kA at 240 V AC 50/60 Hz conforming to UL 489 25 kA at 600 V AC 50/60 Hz conforming to UL 489 65 kA at 480 V AC 50/60 Hz conforming to UL 489 Icu 100 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 20 kA at 600/690 V AC 50/60 Hz conforming to IEC 60947-2 Icu 35 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 Icu 50 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 70 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 85 kA at 250 V DC 1P conforming to IEC 60947-2 Icu 85 kA at 500 V DC 2P conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 100 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Ics 20 kA 600/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 35 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 50 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 65 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 70 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 85 kA 250 V DC conforming to IEC 60947-2 Ics 85 kA 500 V DC conforming to IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A

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

Trip unit name	STR53UP
Trip unit technology	Electronic
Trip unit rating	400 A
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)
Pollution degree	3 conforming to IEC 60529

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Connection pitch	45 mm
Local signalling	Positive contact indication
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.4...1 x In
Long time delay adjustment type	Adjustable
Short-time pick-up adjustment type I _{sd}	Adjustable 7 settings
[I _{sd}] short-time pick-up adjustment range	1.5...7 x Ir
Short-time delay adjustment type	Adjustable 4 settings + constant
[T _{sd}] short-time delay adjustment range	0.14...< 0.23 s 0.06...< 0.14 s 0.015...< 0.06 s 0.23...0.35 s
Instantaneous pick-up adjustment type I _{li}	Adjustable 7 settings
Instantaneous pick-up adjustment range	1.5...9 x In
Ground-fault pick-up adjustment type	Adjustable 8 settings
Ground-fault time delay adjustment type -tg	Adjustable 4 settings + constant
[T _g] ground-fault time delay adjustment range	0.14...< 0.23 s 0.35...< 0.5 s 0.23...< 0.35 s 0.06...< 0.14 s
Zone selective interlocking ZSI	With
Display type	Digital display LED
Current sensor rating range	400 A
Height	255 mm
Width	140 mm
Depth	110 mm
Compatibility code	NSJ400

Environment

Standards	IEC 60947-2
Product certifications	ASEFA LCIE KEMA ASTA
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 60529
Ambient air temperature for operation	-25...70 °C

Contractual warranty

Warranty period	18 months
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