



Main

Range	Compact
Range of product	Compact NS100...630
Product or component type	Circuit breaker
Product name	Compact NS
Device short name	Compact NS630L
Circuit breaker name	Compact NS630L
Device application	Distribution
Poles description	4P
Protected poles description	3t 4t 3t + N/2
Neutral position	Left
Network type	AC
Network frequency	50/60 Hz
[In] rated current	500 A 65 °C 630 A 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
Breaking capacity code	L
Breaking capacity	130 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 130 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 200 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC
[Ics] rated service breaking capacity	Ics 130 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 150 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Ics 150 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 70 kA 500 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

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 rating	630 A
Protection type	Overload protection (long time) Protection of the fourth pole Instantaneous short-circuit protection 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
Circuit breaker CT rating	630 A
Mechanical durability	15000 cycles
Electrical durability	4000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 8000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Connection pitch	45 mm
Local signalling	Positive contact indication
Neutral protection setting	0.5 x Ir 1 x Ir No protection
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	Adjustable
[Tr] long-time delay adjustment range	12...16 s 6 x Ir 138...200 s 1.5 x Ir 277...400 s 1.5 x Ir 3...4 s 6 x Ir 34...50 s 1.5 x Ir 6...8 s 6 x Ir 69...100 s 1.5 x Ir 8...15 s 1.5 x Ir 0.2...0.74 s 7.2 x Ir 0.4...0.5 s 6 x Ir 1...1.4 s 7.2 x Ir 1.5...2 s 6 x Ir 2...2.8 s 7.2 x Ir 4...5.5 s 7.2 x Ir 8.2...11 s 7.2 x Ir
Short-time pick-up adjustment type I _{sd}	Adjustable 8 settings
[I _{sd}] short-time pick-up adjustment range	1.5...10 x Ir
Short-time delay adjustment type	Adj 4 setgs + const I ² t option
[T _{sd}] short-time delay adjustment range	0.14...0.23 s 0.015...0.06 s 0.06...0.14 s 0.23...0.35 s
Instantaneous pick-up adjustment type I _i	Adjustable
Instantaneous pick-up adjustment range	1.5...11 x In
Zone selective interlocking ZSI	With
Display type	LED
Height	255 mm
Width	185 mm
Depth	110 mm
Compatibility code	NS630

Environment

Standards	IEC 60947-2
Product certifications	KEMA ASTA LCIE 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

Contractual warranty

Warranty period	18 months
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Product Life Status

END-OF-SALE NOTICE

32904