



Main

Range	Compact
Range of product	NR400...630
Product or component type	Trip unit
Range compatibility	Compact NR400 Compact NR630
Device application	Distribution
Poles description	3P 4P
Protected poles description	3t 3t + N/2 4t
Neutral position	Left
Network type	AC
Network frequency	50/60 Hz
Trip unit name	STR53UE FI
Trip unit technology	Electronic
Trip unit rating	250 A 40 °C 400 A 40 °C 630 A 40 °C 150 A 40 °C
Protection type	Instantaneous short-circuit protection Overload protection (long time) Short time short-circuit protection

Complementary

[Ue] rated operational voltage	<= 525 V AC 50/60 Hz
Neutral protection setting	0.5 x Ir
Long time pick-up adjustment type Ir	Adjustable 48 settings
Long time delay adjustment type	Adjustable
[Tr] long-time delay adjustment range	12...16 s at 6 x Ir 138...200 s at 1.5 x Ir 277...400 s at 1.5 x Ir 3...4 s at 6 x Ir 34...50 s at 1.5 x Ir 6...8 s at 6 x Ir 69...100 s at 1.5 x Ir

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

8...15 s at 1.5 x I_r
 0.2...0.74 s at 7.2 x I_r
 0.4...0.5 s at 6 x I_r
 1...1.4 s at 7.2 x I_r
 1.5...2 s at 6 x I_r
 2...2.8 s at 7.2 x I_r
 4...5.5 s at 7.2 x I_r
 8.2...11 s at 7.2 x I_r

Short-time pick-up adjustment type I _{sd}	Adjustable 8 settings
[I _{sd}] short-time pick-up adjustment range	1.5...10 x I _r
Short-time delay adjustment type	Adjustable 4 settings
[T _{sd}] short-time delay adjustment range	0.015...< 0.06 s 0.06...< 0.14 s 0.14...< 0.23 s 0.23...0.35 s
[T _{sd}] short-time delay adjustment range	0.015...0.06 s 0.06...0.14 s 0.14...0.23 s 0.23...0.35 s
Instantaneous pick-up adjustment type I _i	Adjustable 8 settings
Display type	Display

Environment

Standards	IEC 60947-2
Product certifications	ASEFA ASTA KEMA LCIE
IP degree of protection	IP40 conforming to IEC 60529
Pollution degree	3 conforming to IEC 60947
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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