Product data sheet
Characteristics

30783
circuit breaker Compact NS160N - STR22SE - 40 A - 4 poles 4d

Trạng thái thương mại
Ngừng bán : THG 1 23, 2021

⚠ Ngừng bán

Main

Range of product	Compact NS100...630
Product or component type	Circuit breaker
Device short name	Compact NS160N
Circuit breaker name	Compact NS160N
Device application	Distribution
Poles description	4P
Protected poles description	4t 3t + N/2 3t
Neutral position	Left
Network type	DC AC
Network frequency	50/60 Hz
[In] rated current	150 A at 65 °C 160 A at 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 60947-2 750 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 8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 10 KA at 600 V AC 50/60 Hz conforming to UL 508 35 KA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 85 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 380/415 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 20 KA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC 35 KA at 480 V AC 50/60 Hz conforming to UL 508 30 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	8 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 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
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	STR22SE
Trip unit technology	Electronic

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
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Trip unit rating	36 A at 70 °C 38 A at 60 °C 40 A at 20 °C
Protection type	Short time short-circuit protection Protection of the fourth pole Overload protection (long time) Instantaneous 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
Mechanical durability	40000 Cycles
Electrical durability	20000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 40000 Cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Connection pitch	35 Mm
Local signalling	Positive contact indication
Neutral protection setting	No protection 0.5 x Ir 1 x Ir
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 range	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 Isd	Adjustable 8 settings
[Isd] 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 Ii	Fixed
Instantaneous pick-up adjustment range	>= 11 x In
Display type	LED
Height	161 Mm
Width	140 Mm
Depth	86 Mm

Environment

Standards	IEC 60947-2
Product certifications	KEMA[RETURN]LCIE[RETURN]ASEFA[RETURN]ASTA
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	18 months

Product Life Status : End of commercialisation