



Main

Range	Compact
Product name	Compact NSX
Product or component type	Circuit breaker
Device short name	Compact NSX100R
Device application	Distribution
Poles description	4P
Protected poles description	4t
Neutral position	Left
Network type	AC
Network frequency	50/60 Hz
[In] rated current	100 A (40 °C)
[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ue] rated operational voltage	690 V AC 50/60 Hz
Breaking capacity code	R (200 kA) AC
Breaking capacity	200 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 200 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 200 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 80 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 45 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 65 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 200 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Ics 200 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 200 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 80 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 45 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-D

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 technology	Thermal-magnetic
Trip unit protection functions	LI
Trip unit rating	100 A (40 °C)
Protection type	Overload protection (thermal) L Short-circuit protection (magnetic) I
Pollution degree	3 conforming to IEC 60664-1

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Auxiliary contact composition	Without
Mechanical durability	50000 cycles
Electrical durability	10000 cycles 690 V In conforming to IEC 60947-2 20000 cycles 690 V In/2 conforming to IEC 60947-2 30000 cycles 440 V In conforming to IEC 60947-2 50000 cycles 440 V In/2 conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Neutral protection setting	1 x Ir 4t
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.7...1 x In
Long time delay adjustment type	Fixed
[Tr] long-time delay adjustment range	15 s 6 x Ir 120...400 s 1.5 x In
Short-time pick-up adjustment type I _{sd}	Fixed
[I _{sd}] short-time pick-up adjustment range	800 A
Short-time delay adjustment type	Fixed
Height	161 mm
Width	140 mm
Depth	86 mm
Product weight	2.4 kg

Environment

Overvoltage category	Class II
Electrical shock protection class	Class II
Standards	EN/IEC 60947
Product certifications	CCC Marine EAC
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0819 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold

Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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