

LV433245

circuit breaker Compact NSX100R, 200 kA at
415 VAC, MA trip unit 100 A, 3 poles 3d



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Main

Range	Compact
Product name	Compact NSX
Device short name	Compact NSX100R
Product or component type	Circuit breaker
Device application	Motor
Poles description	3P
Protected poles description	3t
[In] rated current	100 A at 65 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2
Utilisation category	Category A
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
Breaking capacity code	R 200 kA 415 V AC
Trip unit name	MA
Trip unit technology	Magnetic
Trip unit protection functions	I
Control type	Toggle
Mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ics] rated service breaking capacity	200 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 200 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 200 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 80 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 45 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
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
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	35 Mm
Protection type	I : for short-circuit protection (magnetic)
Trip unit rating	100 A at 65 °C
Short-time pick-up adjustment type Isd	Adjustable
[Isd] short-time pick-up adjustment range	9...14 x In
Local signalling	Positive contact indication
Width	105 Mm
Height	161 Mm
Depth	86 Mm
Net weight	2.05 Kg

Environment

Standards	EN/IEC 60947
Product certifications	EAC CCC Marine
Overvoltage category	Class II
Electrical shock protection class	Class II
Pollution degree	3 conforming to IEC 60664-1
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.855 Kg
Package 1 Height	10.8 Cm
Package 1 width	13.5 Cm
Package 1 Length	19.2 Cm

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**