LV433644

circuit breaker ComPact NSX400HB2, 100 kA at 690 VAC, MicroLogic 1.3 M trip unit 320 A, 3 poles 3d

Green Premium Product

Main

Range	ComPact
Product name	ComPact NSX
Range of product	ComPact NSX400...630
Device short name	NSX400HB2
Product or component type	Circuit breaker
Device application	Motor
Number of poles	3P
Protected poles description	3t
[In] rated current	320 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/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	100 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	HB2 100 kA 690 V AC
Trip unit name	Micrologic 1.3 M
Trip unit technology	Electronic
Trip unit protection functions	I
Control type	Toggle
Circuit breaker mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ics] rated service short-circuit breaking capacity	100 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 100 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	15000 cycles
Electrical durability	3000 Cycles at 690 V In 6000 Cycles at 690 V In/2 6000 Cycles at 440 V In 12000 cycles at 440 V In/2
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	45 mm
Protection type	I : for short-circuit protection (magnetic)
Trip unit rating	320 A at 65 °C
Short-time protection pick-up adjustment type Isd	Adjustable 9 settings

[Isd] Short-time protection pick-up adjustment range	1600 A 3200 A 3520 A 2880 A 2440 A 3840 A 1920 A 4160 A 2560 A
Short-time protection delay adjustment type tsd	Fixed
Instantaneous protection pick-up adjustment type Ii	Fixed
[Ii] instantaneous protection pick-up adjustment range	4800 A
Earth-leakage protection	Without
Number of slots for electrical auxiliaries	6 slot(s)
Local signalling	Flashing LED (green) for ready to operate
Width (W)	140 mm
Height (H)	255 mm
Depth (D)	110 mm
Net weight	6.05 kg

Environment

Standards	EN/IEC 60947
Product certifications	CCC EAC 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	-25…70 °C
Ambient air temperature for storage	-50…85 °C
Relative humidity	0…95 %
Operating altitude	0...2000 m without derating 2000 m...5000 m with derating

Packing Units

Package 1 Weight	5.772 kg
Package 1 Height	1.520 dm
Package 1 width	1.520 dm
Package 1 Length	2.920 dm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
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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