Product data sheet Characteristics

LV432949

circuit breaker ComPact NSX630N, 50 kA at 415 VAC, MicroLogic 1.3 M trip unit 500 A, 3 poles 3d





Main

Range	ComPact		
Product name	ComPact NSX		
Range of product	ComPact NSX400630		
Device short name	NSX630N		
Product or component type	Circuit breaker		
Device application	Motor		
Poles description	3P		
Protected poles description	3t		
[In] rated current	500 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		
Breaking capacity	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 85 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 10 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 30 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 KA at 600 V AC 50/60 Hz conforming to UL 508 50 KA at 480 V AC 50/60 Hz conforming to UL 508 50 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 42 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2		
Breaking capacity code	N 50 kA 415 V AC		
Trip unit name	Micrologic 1.3 M		
Trip unit technology	Electronic		
Trip unit protection functions	I		
Control type	Toggle		
Mounting mode	Fixed		

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 interneted as a substitute for and is not to be used for determining suitability or reliability of these products by especific user applications. It is the douty of any sub user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or substitiaries shall be responsible or liable for misuse of the information contained herein.

Complementary

Complementary		
[Ui] rated insulation voltage	800 V AC 50/60 Hz	
[Uimp] rated impulse withstand voltage	8 KV	
[lcs] rated service breaking capacity	11 KA at 525 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 10 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 30 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 42 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2	
Mechanical durability	15000 Cycles	
Electrical durability	2000 Cycles at 690 V In 6000 Cycles at 690 V In/2 4000 Cycles at 440 V In 8000 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	500 A at 65 °C	
Short-time pick-up adjustment type Isd	Adjustable 9 settings	
[Isd] short-time pick-up adjustment range	2500 A 4000 A 5500 A 6500 A 4500 A 3500 A 5000 A 3000 A 6000 A	
Short-time delay adjustment type	Fixed	
Instantaneous pick-up adjustment type li	Fixed	
Instantaneous pick-up adjustment range	6500 A	
Earth-leakage protection	Without	
Number of slots	6 slot(s)	
Local signalling	Flashing LED (green) for ready to operate	
Width	140 Mm	
Height	255 Mm	
Depth	110 Mm	
Net weight	6.2 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	-2570 °C
Ambient air temperature for storage	-5085 °C
Relative humidity	095 %
Operating altitude	02000 m without derating 2000 m5000 m with derating



Packing Units

0	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	5.759 Kg
Package 1 Height	15.2 Cm
Package 1 width	15.3 Cm
Package 1 Length	29 Cm
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Weight	18.1 Kg
Package 2 Height	30 Cm
Package 2 width	40 Cm
Package 2 Length	60 Cm

Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	☑ REACh Declaration	
EU RoHS Directive	Compliant EEEU 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

on a dotter warranty		
Warranty	18 months	

Product Life Status : Commercialised