# C63V31M500

Circuit breaker, ComPacT NSX630HB1, 75kA/690VAC, 3 poles, MicroLogic 1.3M trip unit 500A





#### Main

Product name ComPacT NSX new generation  Device short name NSX630HB1  Product or component type  Device application Motor protection  Poles description 3P  Protected poles description  [In] rated current 500 A at 65 °C  [Ue] rated operational voltage  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 80 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2  Performance level HB1 75 kA 690 V AC  Trip unit name MicroLogic 1.3 M  Trip unit technology Electronic  Trip unit protection functions  Control type Toggle  Circuit breaker mounting mode	Range	ComPacT new generation
Product or component type  Device application Motor protection  Poles description 3P  Protected poles description  [In] rated current 500 A at 65 °C  [Ue] rated operational voltage  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 85 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2  Performance level HB1 75 kA 690 V AC  Trip unit name MicroLogic 1.3 M  Trip unit protection functions  Control type Toggle  Circuit breaker Fixed	Product name	ComPacT NSX new generation
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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 85 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2  80 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2  75 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  Performance level HB1 75 kA 690 V AC  Trip unit name MicroLogic 1.3 M  Trip unit technology Electronic  Trip unit protection functions  Control type Toggle  Circuit breaker Fixed	[In] rated current	500 A at 65 °C
Network frequency  Suitability for isolation  Ves conforming to EN/IEC 60947-2  Utilisation category  [Icu] rated ultimate short-circuit breaking capacity  85 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2  80 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2  75 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  Performance level  HB1 75 kA 690 V AC  Trip unit name  MicroLogic 1.3 M  Trip unit technology  Electronic  Trip unit protection functions  Control type  Toggle  Circuit breaker  Fixed		690 V AC 50/60 Hz
Suitability for isolation  Yes conforming to EN/IEC 60947-2  Utilisation category  [Icu] rated ultimate short-circuit breaking capacity  Respective Superior of the provided in the provided i	Network type	AC
Utilisation category  [Icu] rated ultimate short-circuit breaking capacity  85 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 80 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 75 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  Performance level  HB1 75 kA 690 V AC  Trip unit name  MicroLogic 1.3 M  Trip unit technology  Trip unit protection functions  Control type  Toggle  Circuit breaker  Fixed	Network frequency	50/60 Hz
[Icu] rated ultimate short-circuit breaking capacity  85 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2  80 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2  75 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  Performance level  HB1 75 kA 690 V AC  Trip unit name  MicroLogic 1.3 M  Trip unit technology  Electronic  Trip unit protection functions  Control type  Toggle  Circuit breaker  Fixed	Suitability for isolation	Yes conforming to EN/IEC 60947-2
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Trip unit name MicroLogic 1.3 M  Trip unit technology Electronic  Trip unit protection SI functions  Control type Toggle  Circuit breaker Fixed	short-circuit breaking	60947-2 80 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 75 kA Icu at 660/690 V AC 50/60 Hz conforming to
Trip unit technology Electronic  Trip unit protection SI functions  Control type Toggle  Circuit breaker Fixed	Performance level	HB1 75 kA 690 V AC
Trip unit protection functions  Control type  Circuit breaker  SI  Toggle  Circuit breaker  Fixed	Trip unit name	MicroLogic 1.3 M
functions  Control type Toggle  Circuit breaker Fixed	Trip unit technology	Electronic
Circuit breaker Fixed		SI
	Control type	Toggle
		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	85 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 80 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 75 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2	
Mechanical durability	15000 cycles	
Electrical durability	8000 Cycles at 440 V In/2 4000 Cycles at 440 V In 6000 Cycles at 690 V In/2 2000 cycles at 690 V In	
Power dissipation per pole	25 W	
Mounting support	Backplate	
Mounting position	Horizontal and vertical Flat on the back	
Upside connection	Front	
Downside connection	Front	
Connection pitch	45 mm	

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 inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn aren in 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 subsidiaries shall be responsible or liable for misuse of the information contained herein.

Protection type	S : for short time short-circuit protection I : for instantaneous short-circuit protection
Trip unit rating	500 A at 65 °C
Short-time protection pick-up adjustment type Isd	Adjustable 9 settings
[Isd] Short-time protection pick-up adjustment range	2500 A 3000 A 3500 A 4000 A 4500 A 5500 A 6000 A
Short-time protection delay adjustment type tsd	Fixed
Instantaneous protection pick-up adjustment type li	Fixed
[li] instantaneous protection pick-up adjustment range	6500 A
Earth-leakage protection	Without
Zone selective interlocking ZSI	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	6.2 kg

## Environment

EN/IEC 60947
Marine[RETURN]CCC[RETURN]EAC
Class II
Class II
3 conforming to IEC 60664-1
IP40 conforming to IEC 60529
IK07 conforming to IEC 62262
-2570 °C
-5085 °C
095 %
02000 m without derating 2000 m5000 m with derating

# Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	15.2 cm	
Package 1 Width	15.2 cm	
Package 1 Length	29.2 cm	
Package 1 Weight	5.772 kg	

## Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	REACh Declaration	
EU RoHS Directive	Compliant with Exemptions	
Mercury free	Yes	
China RoHS Regulation	China RoHS Declaration	
RoHS exemption information	€Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	End Of Life Information	
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PVC free	Yes
Halogen content performance	Halogen free plastic parts product