Product datasheet





Circuit breaker, ComPacT NSXm 160H, 70kA/415VAC, 4 poles, MicroLogic 4.1 trip unit 100A, lugs/ busbars

C11H44V100B

Main

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Range	ComPacT new generation
Product Name	ComPacT NSXm new generation
Range Of Product	ComPacT NSXm new generation
Device Short Name	NSXm 160H
Product Or Component Type	Earth leakage circuit breaker
Device Application	Distribution
Poles Description	4P
Protected Poles Description	4D
Neutral Position	Left
[In] Rated Current	100 A at 40 °C
[Ue] Rated Operational Voltage	440 V AC 50/60 Hz
Network Type	AC
Network Frequency	50/60 Hz
Suitability For Isolation	Yes conforming to IEC 60947-2
Utilisation Category	Category A
[Icu] Rated Ultimate Short-Circuit Breaking Capacity	100 kA Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 380415 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 440 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 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660690 V AC 50/60 Hz conforming to IEC 60947-2
Performance Level	H 70 kA 415 V AC
Trip Unit Name	MicroLogic 4.1
Trip Unit Technology	Electronic
Trip Unit Protection Functions	LSoIR
Control Type	Toggle
Circuit Breaker Mounting Mode	Fixed

Complementary

[Ui] Rated Insulation Voltage	500 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	8 kV

[Ics] Rated Service Short-Circuit Breaking Capacity	100 kA at 220240 V AC 50/60 Hz conforming to IEC 60947-2 70 kA at 380415 V AC 50/60 Hz conforming to IEC 60947-2 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA at 660690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical Durability	20000 cycles
Electrical Durability	20000 cycles at 440 V In/2 10000 cycles at 440 V In 10000 cycles at 690 V In/2 5000 cycles at 690 V In
Power Dissipation Per Pole	4.77 W
Mounting Support	Backplate
Mounting Position	Horizontal and vertical Flat on the back
Upside Connection	Front
Downside Connection	Front
Connection Terminals	compression lug/busbar
Connection Pitch	35 mm with spreaders 27 mm without spreaders
9 Mm Pitches	12 module
Trip Unit Rating	100 A at 40 °C
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Adjustable 9 settings
[Ir] Long-Time Protection Pick-Up Adjustment Range	40100 A
Long-Time Protection Delay Adjustment Type Tr	Fixed
[Tr] Long-Time Protection Delay Adjustment Range	200 s at 1.5 x lr 8 s at 6 x lr 5 s at 7.2 x lr
Neutral Protection Settings	1 x lr (4D)
Thermal Memory	20 minutes before and after tripping
Short-Time Protection Pick-Up Adjustment Type Isd	Adjustable 9 settings
[Isd] Short-Time Protection Pick- Up Adjustment Range	1.510 x lr
Short-Time Protection Delay Adjustment Type Tsd	Fixed
Instantaneous Protection Pick-Up Adjustment Type Ii	Fixed
[li] Instantaneous Protection Pick- Up Adjustment Range	1500 A
Earth-Leakage Protection	Integrated
Earth-Leakage Protection Class	Class A Class AC
Earth-Leakage Protection Sensitity Adjustment Type Iŏn	Adjustable
[lδn] Earth-Leakage Protection Sensitivity Adjustment Range	30 mA 100 mA 300 mA 500 mA 1 A 3 A 5 A

Earth-Leakage Sensitivity	30 mA for class A
	100 mA for class A
	300 mA for class A
	500 mA for class A
	1 A for class A
	30 mA for class AC
	100 mA for class AC
	300 mA for class AC
	500 mA for class AC
	1 A for class AC
	3 A for class AC
	5 A for class AC
Earth-Leakage Protection Time Delay Adjustement Type ∆t	Adjustable
[∆t] Earth-Leakage Protection	0 ms
Time Delay Adjustment Range	60 ms
	150 ms
	500 ms
	1000 ms
Number Of Slots For Electrical	1 slot(s) for auxiliary switch OF
Auxiliaries	1 slot(s) for alarm switch SD
	1 slot(s) for voltage release MN or MX
Local Signalling	Flag (green) for presence of auxiliary contacts
Width (W)	108 mm
Height (H)	144 mm
Depth (D)	80 mm
Net Weight	1.63 kg
Colour	Grey (RAL 7016)

Environment

Standards	EN/IEC 60947	
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	-4085 °C	
Relative Humidity	095 %	
Operating Altitude	2000 m without derating 5000 m with derating	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	13.0 cm
Package 1 Width	16.0 cm
Package 1 Length	19.0 cm
Package 1 Weight	1.2 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	4
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm

Package 2 Length	40.0 cm	
Package 2 Weight	5.241 kg	



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

	Mercury Free	
	Rohs Exemption Information	Yes
⊘	Halogen Free Plastic Parts Product	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information