Product data sheet
Characteristics

C11B3TM050L
circuit breaker ComPacT NSXm B (25 kA at 415 VAC), 3P 3d, 50 A rating TMD trip unit, EverLink connectors

Main

Range	ComPacT new generation
Product name	ComPacT NSXm new generation
Range of product	ComPacT NSXm new generation
Device short name	NSXm 100B
Product or component type	Circuit breaker
Device application	Distribution
Poles description	3P
Protected poles description	3D
[In] rated current	50 A at 40 °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 IEC 60947-2
Utilisation category	Category A
Breaking capacity	50 KA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 20 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 10 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	B 25 kA 415 V AC
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
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	50 KA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 25 KA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 20 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 10 KA at 500 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

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Power dissipation per pole	4.81 W
Mounting support	Backplate
Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front
Downside connection	Front
Connections - terminals	1 Everlink lug wire size 2.5…95 mm², rigid or stranded aluminium/copper 1 Everlink lug wire size 2.5…70 mm², flexible copper
Connection pitch	35 Mm with spreaders 27 Mm without spreaders
9 mm pitches	9 module
Trip unit rating	50 A at 40 °C
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.7...1 x In
Long time delay adjustment type	Fixed
Instantaneous pick-up adjustment type Ii	Fixed
Instantaneous pick-up adjustment range	600 A
Earth-leakage protection	Without
Number of slots	1 slot(s) for auxiliary switch OF 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	81 Mm
Height	137 Mm
Depth	80 Mm
Net weight	1.06 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	-25…70 °C
Ambient air temperature for storage	-50…85 °C
Relative humidity	0…95 %
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 Weight	1.21 Kg
Package 1 Height	12.0 Cm
Package 1 width	9.0 Cm
Package 1 Length	21.0 Cm
Unit Type of Package 2	S03
Number of Units in Package 2	9
Package 2 Weight	11.256 Kg
Package 2 Height	30.0 Cm
Package 2 width	30.0 Cm
Package 2 Length	40.0 Cm

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

Contractual warranty

Warranty	18 months

Product Life Status : Commercialised