Product data sheet
Characteristics

C10F4
Circuit breaker basic frame, ComPacT NSX100F, 36kA/415VAC, 4 poles, 100A frame rating, without trip unit



Main

Range	ComPacT
Product name	ComPacT NSX
Device short name	NSX100F
Product or component type	Basic frame
Device application	Distribution
Poles description	4P
Neutral position	Left
[In] rated current	100 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
Breaking capacity	10 KA at 600 V AC 50/60 Hz conforming to UL 508 25 KA at 480 V AC 50/60 Hz conforming to UL 508 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 25 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 8 KA Icu at 660/690 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
Breaking capacity code	F 36 kA 415 V AC
Control type	Toggle
Mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 KV conforming to IEC 60947-2
[Ics] rated service breaking capacity	11 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 4 KA at 660/690 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 12.5 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	50000 Cycles conforming to IEC 60947-2
Electrical durability	10000 Cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 20000 Cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 30000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 50000 Cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Mounting support	Backplate

Upside connection	Front
Downside connection	Front
Connection pitch	35 Mm
Protection type	Without protection
Width	140 Mm
Height	161 Mm
Depth	86 Mm

Environment

Standards	EN/IEC 60947-2 UL 60947-4-1
Overvoltage category	III
Electrical shock protection class	Class II on front face
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.000 Cm
Package 1 Width	14.500 Cm
Package 1 Length	19.500 Cm
Package 1 Weight	1.842 Kg
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	11.451 Kg
Unit Type of Package 3	P12
Number of Units in Package 3	48
Package 3 Height	43.000 Cm
Package 3 Width	80.000 Cm
Package 3 Length	120.000 Cm
Package 3 Weight	102.406 Kg

Offer Sustainability

Recyclability potential, in %	54
Total lifecycle Carbon footprint	86 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	10.440000000000001
Carbon footprint of the manufacturing phase [A1 to A3]	10 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.5448122448979592
Carbon footprint of the distribution phase [A4]	0.5 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1595295918367347
Carbon footprint of the installation phase [A5]	0.2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	71.89776
Carbon footprint of the use phase [B2, B3, B4, B6]	72 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	3.1952755102040817
Carbon footprint of the end-of-life phase [C1 to C4]	3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Total lifecycle Carbon footprint	86
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	206b752d-15ab-4228-8cd8-4e338f718b28
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised