Product data sheet
Characteristics

C25F4
Circuit breaker basic frame, ComPacT NSX250F, 36kA/415VAC, 4 poles, 250A frame rating, without trip unit



Main

Range	ComPacT
Product name	ComPacT NSX
Device short name	NSX250F
Product or component type	Basic frame
Device application	Distribution
Poles description	4P
Neutral position	Left
[In] rated current	250 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	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 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 35 KA at 480 V AC 50/60 Hz conforming to UL 508 30 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 15 KA at 600 V AC 50/60 Hz conforming to UL 508
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	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 85 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 22 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 30 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 8 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	20000 Cycles conforming to IEC 60947-2
Electrical durability	10000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 10000 Cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 20000 Cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 5000 Cycles 690 V AC 50/60 Hz In 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	13.900 Cm
Package 1 Width	14.500 Cm
Package 1 Length	19.300 Cm
Package 1 Weight	2.111 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	13.073 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	115.381 Kg

Offer Sustainability

Recyclability potential, in %	54
Total lifecycle Carbon footprint	255 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	11.666285714285715
Carbon footprint of the manufacturing phase [A1 to A3]	12 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.6088060641399416
Carbon footprint of the distribution phase [A4]	0.6 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.17826798833819243
Carbon footprint of the installation phase [A5]	0.2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	239.32260000000002
Carbon footprint of the use phase [B2, B3, B4, B6]	239 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	3.5705935860058307
Carbon footprint of the end-of-life phase [C1 to C4]	4 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Total lifecycle Carbon footprint	255
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