

# Circuit breaker ComPacT NSX250F, 36kA at 415VAC, TMD trip unit 250A, 3 poles 3d

C25F3TM250

#### Main

Mani		
Range	ComPacT	
Product name	ComPacT NSX	
Device short name	NSX250F	
Product or component type	Circuit breaker	
Device application	Distribution	
Poles description	3P	
Protected poles description	3D	
[In] rated current	250 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 EN/IEC 60947-2	
Utilisation category	Category A	
[Icu] rated ultimate short-circuit breaking capacity	85 kA Icu at 220/240 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 35 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 8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 240 V AC 50/60 Hz conforming to UL 60947-4-1 35 kA Icu at 480 V AC 50/60 Hz conforming to UL 60947-4-1 15 kA Icu at 600 V AC 50/60 Hz conforming to UL 60947-4-1	
Performance level	F 36 kA 415 V AC	
Trip unit name	TM-D	
Trip unit technology	Thermal-magnetic	
Trip unit protection functions	LI	
Control type	Toggle	
Circuit breaker mounting mode	Fixed	

## Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand	8 kV

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20000 cycles	
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	
18.75 W	
Backplate	
Horizontal and vertical Flat on the back	
Front	
Front	
35 mm	
L : for overload protection (thermal) I : for short-circuit protection (magnetic)	
250 A at 40 °C	
Adjustable	
0.71 x ln	
Fixed	
120400 s at 1.5 x ln 15 s at 6 x lr	
Adjustable	
510 x ln	
Without	
5 slot(s)	
105 mm	
161 mm	
86 mm	
2.4 kg	

### **Environment**

Standards	EN/IEC 60947-2	
Overvoltage category	Class II	
Electrical shock protection class	Class II	
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	-5085 °C	
Relative humidity	095 %	

Operating altitude 0...2000 m without derating 2000 m...5000 m with derating

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.000 cm
Package 1 Width	11.000 cm
Package 1 Length	19.000 cm
Package 1 Weight	1.962 kg
Unit Type of Package 2	S04
Number of Units in Package 2	12
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	24.239 kg



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Total lifecycle Carbon footprint	319
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

Materials and Packaging	
Recycled metal content at CR level	0
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	3874e08b-fcb8-4aa9-87c4-d36abebf2833
REACh Regulation	REACh Declaration
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes

#### **Use Again**

○ Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

#### Offer Marketing Illustration

#### **Product benefits / Features**



#### **Technical Illustration**

#### Assembly's dimensions

