Product datasheet

Specifications



Circuit breaker ComPacT NSX250F, 36kA at 415VAC, TMD trip unit 250A, 50 degrees C, 3 poles 3D

C25F3TM250C

Main

Range	ComPacT new generation	
product name	ComPacT NSX new generation	
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 50 °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	
Performance level	F 36 kA 415 V AC	
Trip unit name	TM-D	
Trip unit technology	Thermal-magnetic	
Trip unit protection functions	U	
Control type	Toggle	
Circuit breaker mounting mode	Fixed	

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz	
[Uimp] rated impulse withstand voltage	8 kV	
[Ics] rated service short-circuit	85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2	
breaking capacity	36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2	
	35 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	
	8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2	
Mechanical durability	20000 cycles	

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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	18.75 W	
Mounting support	Backplate	
Mounting position	Horizontal and vertical Flat on the back	
Upside connection	Front	
Downside connection	Front	
Connection pitch	35 mm	
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)	
Trip unit rating	250 A at 50 °C	
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable	
[Ir] long-time protection pick-up adjustment range	0.71 x ln	
Long-time protection delay adjustment type tr	Fixed	
[tr] long-time protection delay adjustment range	120400 s at 1.5 x ln 15 s at 6 x lr	
Instantaneous protection pick-up adjustment type li	Adjustable	
[li] instantaneous protection pick- up adjustment range	510 x ln	
Earth-leakage protection	Without	
Number of slots for electrical auxiliaries	5 slot(s)	
Width (W)	105 mm	
Height (H)	161 mm	
Depth (D)	86 mm	
Product weight	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	02000 m without derating 2000 m5000 m with derating

Packing Units

Unit Type of Package 1 PCE





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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	318
Environmental Disclosure	Product Environmental Profile

Use Better

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Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	3874e08b-fcb8-4aa9-87c4-d36abebf2833
China RoHS Regulation	China RoHS declaration
PVC free	Yes

Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Product contains halogen above thresholds
Take-back	No

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