C25R4TM200

Circuit breaker ComPacT NSX250R, 200kA at 415VAC, TMD trip unit 200A, 4 poles 4d





Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Device short name	NSX250R
Product or component type	Circuit breaker
Device application	Distribution
Poles description	4P
Protected poles description	4D
Neutral position	Left
[In] rated current	200 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
[lcu] rated ultimate short-circuit breaking capacity	200 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 200 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 200 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 80 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 45 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
short-circuit breaking	IEC 60947-2 200 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 200 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 80 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 45 kA Icu at 660/690 V AC 50/60 Hz conforming to
short-circuit breaking capacity	IEC 60947-2 200 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 200 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 80 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 45 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
short-circuit breaking capacity Performance level	IEC 60947-2 200 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 200 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 80 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 45 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 R 200 kA 415 V AC
Short-circuit breaking capacity Performance level Trip unit name	IEC 60947-2 200 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 200 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 80 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 45 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 R 200 kA 415 V AC TM-D
Performance level Trip unit name Trip unit technology Trip unit protection	IEC 60947-2 200 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 200 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 80 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 45 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 R 200 kA 415 V AC TM-D Thermal-magnetic

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[lcs] rated service short-circuit breaking capacity	200 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 200 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 200 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 80 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 45 kA at 660/690 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
Power dissipation per pole	15.4 W

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn aren in integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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 200 A at 40 °C Long-time pick-up adjustment type Ir (thermal protection) [Ir] long-time protection pick-up adjustment range 0.71 x In Long-time protection delay adjustment type tr Fixed [It] long-time protection delay adjustment range 120400 S at 1.5 x In 15 s at 6 x Ir Neutral protection pick-up adjustment type II Adjustable Instantaneous protection pick-up adjustment range 1x Ir (4D) Instantaneous protection pick-up adjustment Adjustable [It] instantaneous protection pick-up adjustment with type II Adjustable [It] instantaneous protection pick-up adjustment and type II Adjustable Earth-leakage protection Without Number of slots for electrical auxiliaries 5 slot(s) Width (W) 140 mm Height (H) 161 mm Depth (D) 86 mm	Mounting support	Backplate
Downside connection Front Connection pitch 35 mm Protection type L: for overload protection (thermal) 1: for short-circuit protection (magnetic) Trip unit rating 200 A at 40 °C Long-time pick-up adjustment type Ir (thermal protection) [Ir] long-time protection pick-up adjustment range 0.71 x ln Long-time protection delay adjustment type tr Fixed [It] long-time protection delay adjustment range 120400 S at 1.5 x ln 15 s at 6 x lr Neutral protection settings 1 x lr (4D) Instantaneous protection pick-up adjustment type II Adjustable [Iii] instantaneous protection pick-up adjustment range 510 x ln range Earth-leakage protection Without Number of slots for electrical auxiliaries 5 slot(s) Width (W) 140 mm Height (H) 161 mm Depth (D) 86 mm	Mounting position	
Connection pitch 25 mm L: for overload protection (thermal) [: for short-circuit protection (magnetic) Trip unit rating 200 A at 40 °C Long-time pick-up adjustment type Ir (thermal protection) [Ir] long-time protection pick-up adjustment range 0.71 x In Long-time protection delay adjustment type tr [It] long-time protection delay adjustment range 120400 S at 1.5 x In 15 s at 6 x Ir Neutral protection settings 1 x Ir (4D) Instantaneous protection pick-up adjustment type Ii Adjustable 510 x In Earth-leakage protection Without Number of slots for electrical auxiliaries 5 slot(s) Width (W) 140 mm Depth (D) 86 mm	Upside connection	Front
Protection type L: for overload protection (thermal) l: for short-circuit protection (magnetic) Trip unit rating 200 A at 40 °C Long-time pick-up adjustment type Ir (thermal protection) [Ir] long-time protection pick-up adjustment range 0.71 x In Long-time protection delay adjustment type tr Fixed [It] long-time protection delay adjustment range 120400 S at 1.5 x In 15 s at 6 x Ir Neutral protection settings 1 x Ir (4D) Instantaneous protection pick-up adjustment type Ii Adjustable [Ii] instantaneous protection pick-up adjustment range Earth-leakage protection Without Number of slots for electrical auxiliaries 5 slot(s) Width (W) 140 mm Depth (D) 86 mm	Downside connection	Front
I : for short-circuit protection (magnetic) Trip unit rating 200 A at 40 °C Long-time pick-up adjustment type Ir (thermal protection) [Ir] long-time protection pick-up adjustment range 0.71 x In Long-time protection delay adjustment type tr Fixed [tr] long-time protection delay adjustment range 120400 S at 1.5 x In 15 s at 6 x Ir Neutral protection settings 1 x Ir (4D) Instantaneous protection pick-up adjustment type Ii Adjustable [Ii] instantaneous protection pick-up adjustment for a line in the protection without Number of slots for electrical auxiliaries 5 slot(s) Width (W) 161 mm Depth (D) 86 mm	Connection pitch	35 mm
Long-time pick-up adjustment type Ir (thermal protection) [Ir] long-time protection pick-up adjustment range	Protection type	,
protection) [Ir] long-time protection pick-up adjustment range 0.71 x ln Long-time protection delay adjustment type tr Fixed [Itr] long-time protection delay adjustment range 120400 S at 1.5 x ln 15 s at 6 x lr Neutral protection settings 1 x lr (4D) Instantaneous protection pick-up adjustment type li Adjustable [Iii] instantaneous protection pick-up adjustment range 510 x ln Earth-leakage protection Without Number of slots for electrical auxiliaries 5 slot(s) Width (W) 140 mm Height (H) 161 mm Depth (D) 86 mm	Trip unit rating	200 A at 40 °C
Long-time protection delay adjustment type tr [tr] long-time protection delay adjustment range 120400 S at 1.5 x In 15 s at 6 x Ir Neutral protection settings 1 x Ir (4D) Instantaneous protection pick-up adjustment type Ii Adjustable [li] instantaneous protection pick-up adjustment range Earth-leakage protection Without Number of slots for electrical auxiliaries 5 slot(s) Width (W) 140 mm Height (H) Depth (D) 86 mm	Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[tr] long-time protection delay adjustment range 120400 S at 1.5 x In 15 s at 6 x Ir Neutral protection settings 1 x Ir (4D) Instantaneous protection pick-up adjustment type Ii Adjustable [li] instantaneous protection pick-up adjustment range Earth-leakage protection Without Number of slots for electrical auxiliaries 5 slot(s) Width (W) 140 mm Height (H) Depth (D) 86 mm	[Ir] long-time protection pick-up adjustment range	0.71 x ln
15 s at 6 x lr Neutral protection settings 1 x lr (4D) Instantaneous protection pick-up adjustment type li Adjustable [li] instantaneous protection pick-up adjustment range Earth-leakage protection Without Number of slots for electrical auxiliaries 5 slot(s) Width (W) 140 mm Height (H) 161 mm Depth (D) 86 mm	Long-time protection delay adjustment type tr	Fixed
Instantaneous protection pick-up adjustment type Ii Adjustable [Ii] instantaneous protection pick-up adjustment range Earth-leakage protection Without Number of slots for electrical auxiliaries 5 slot(s) Width (W) 140 mm Height (H) 161 mm Depth (D) 86 mm	[tr] long-time protection delay adjustment range	
[li] instantaneous protection pick-up adjustment range Earth-leakage protection Without Number of slots for electrical auxiliaries 5 slot(s) Width (W) 140 mm Height (H) 161 mm Depth (D) 86 mm	Neutral protection settings	1 x lr (4D)
Earth-leakage protection Without Number of slots for electrical auxiliaries 5 slot(s) Width (W) 140 mm Height (H) 161 mm Depth (D) 86 mm	Instantaneous protection pick-up adjustment type li	Adjustable
Number of slots for electrical auxiliaries 5 slot(s) Width (W) 140 mm Height (H) 161 mm Depth (D) 86 mm	[li] instantaneous protection pick-up adjustment range	510 x ln
Width (W) 140 mm Height (H) 161 mm Depth (D) 86 mm	Earth-leakage protection	Without
Height (H) 161 mm Depth (D) 86 mm	Number of slots for electrical auxiliaries	5 slot(s)
Depth (D) 86 mm	Width (W)	140 mm
	Height (H)	161 mm
Net weight 2.8 kg	Depth (D)	86 mm
	Net weight	2.8 kg

Environment

Standards	EN/IEC 60947	
Product certifications	CCC[RETURN]Marine[RETURN]EAC	
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

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.0 cm
Package 1 Width	15.0 cm
Package 1 Length	20.0 cm
Package 1 Weight	2.734 kg
Unit Type of Package 2	S03
Number of Units in Package 2	3
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	8.202 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	₽¥Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
PVC free	Yes