Product data sheet
Characteristics

C40S4TM250D
circuit breaker ComPacT NSX250S DC, 100 kA at 750 VDC, TM-DC trip unit, 250 A rating, 4 poles



Main

Range	ComPacT new generation
Product name	ComPacT NSX DC new generation
Device short name	NSX400S DC
Product or component type	Circuit breaker
Device application	Distribution
Poles description	4P
Protected poles description	4D
[In] rated current	250 A at 40 °C
[Ue] rated operational voltage	750 V DC
Network type	DC
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	100 KA Icu at 24...125 V DC 1 pole conforming to IEC 60947-2 100 KA Icu at 250 V DC 1 pole conforming to IEC 60947-2 100 KA Icu at 500 V DC 2 poles in series conforming to IEC 60947-2 100 kA Icu at 750 V DC 3 poles in series conforming to IEC 60947-2
Performance level	S 100 kA 500 V DC
Trip unit name	TM-DC
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Control type	Toggle
Circuit breaker mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	750 V DC conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 KA at 24...125 V DC conforming to IEC 60947-2 100 KA at 250 V DC conforming to IEC 60947-2 100 KA at 500 V DC conforming to IEC 60947-2 100 kA at 750 V DC conforming to IEC 60947-2
Mechanical durability	5000 cycles
Electrical durability	2000 Cycles at 750 V In/2 1000 cycles at 750 V In
Mounting support	Backplate
Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front
Downside connection	Front
Connection pitch	45 mm
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)

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Trip unit rating	250 A at 40 °C
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.7...1 x In
Instantaneous protection pick-up adjustment type Ii	Adjustable
[Ii] instantaneous protection pick-up adjustment range	2.5...5 x In
Earth-leakage protection	Without
Number of slots for electrical auxiliaries	6 slot(s)
Width (W)	140 mm
Height (H)	161 mm
Depth (D)	86 mm
Net weight	2.3 kg

Environment

Standards	EN/IEC 60947
Product certifications	CCC EAC Marine
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	-25…70 °C
Ambient air temperature for storage	-50…85 °C
Relative humidity	0…95 %
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	14.7 cm
Package 1 Width	20.0 cm
Package 1 Length	29.1 cm
Package 1 Weight	7.292 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Halogen content performance	Halogen free plastic parts product

Contractual warranty

Warranty	18 months