

# Product data sheet

## Characteristics

# C40F4TM250D1

Circuit breaker, ComPacT NSX250 DC PV,  
10kA/1000VDC, 4 poles, TM-DC PV trip unit  
250A



### Main

Range	ComPacT new generation
Device short name	NSX400 DC PV
Product name	ComPacT NSX new generation
Device application	Distribution
Poles description	4P
Product or component type	Circuit breaker
Neutral position	Left
Network type	DC
Protected poles description	4D
[In] rated current	250 A at 40 °C
[Ui] rated insulation voltage	1000 V DC conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV
[Ue] rated operational voltage	1000 V DC
Breaking capacity code	F
Breaking capacity	10 kA Icu at 1000 V DC L/R = 2 ms conforming to EN/IEC 60947-2
[Ics] rated service breaking capacity	10 kA at 1000 V DC conforming to EN/IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-DC
Trip unit technology	Thermal-magnetic
Trip unit rating	250 A at 40 °C
Protection type	Overload protection (long time) Short-circuit protection (magnetic)
Pollution degree	3 conforming to IEC 60664-1
Suitability for isolation	Yes conforming to EN/IEC 60947-2

### Complementary

Control type	Toggle Rotary handle Extended rotary handle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	5000 cycles
Electrical durability	1000 cycles 1000 V DC In conforming to EN/IEC 60947-2
Connection pitch	45 mm
Connections - terminals	4 screw type terminals aluminium/copper
Local signalling	Positive contact indication
Contact position indicator	Yes
Neutral protection setting	Ir

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Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.7...1 x In
Long time delay adjustment type	Fixed
Short-time delay adjustment type	Fixed
Instantaneous pick-up adjustment type Ii	Adjustable
Instantaneous pick-up adjustment range	2.5...5 x In
Overshoot category	Class II
Height	185 mm
Width	225 mm
Depth	110 mm
Net weight	8.4 kg

## Environment

Standards	EN/IEC 60947
Product certifications	CCC[RETURN]EAC[RETURN]Marine
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Ambient air temperature for operation	-35...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	30.0 cm
Package 1 Width	30.0 cm
Package 1 Length	40.0 cm
Package 1 Weight	10.0 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
PVC free	Yes