

Product datasheet

Specifications



Trip unit TM100DC, ComPacT NSX100 DC, 4 poles, thermal magnetic protections, 100A rating

C104TM100D

Main

Range	ComPacT
Range of product	ComPacT NSX100...250 DC
Product or component type	Trip unit
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Range compatibility	ComPacT NSX100 DC
Device application	Distribution
Poles description	4P
Protected poles description	4D
Trip unit protection functions	LI
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	100 A at 40 °C
[Ue] rated operational voltage	750 V DC
Network type	DC
Circuit breaker mounting mode	Fixed

Complementary

Long-time pick-up adjustment type I _r (thermal protection)	Adjustable
[I _r] long-time protection pick-up adjustment range	0.7...1 x I _n
Long-time protection delay adjustment type t _r	Fixed
Instantaneous protection pick-up adjustment type I _i	Fixed
[I _i] instantaneous protection pick-up adjustment range	800 A
Earth-leakage protection	Without

Environment

Standards	EN/IEC 60947-2
Electrical shock protection class	Class II
Pollution degree	3 conforming to IEC 60947-1
IP degree of protection	IP40 conforming to IEC 60529
Ambient air temperature for operation	-25...70 °C

Ambient air temperature for storage	-50...85 °C
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	6.800 cm
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Package 1 Width	9.800 cm
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Package 1 Length	15.000 cm
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Package 1 Weight	543.000 g
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Unit Type of Package 2	S03
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Number of Units in Package 2	23
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Package 2 Height	30.000 cm
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Package 2 Width	30.000 cm
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Package 2 Length	40.000 cm
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Package 2 Weight	12.854 kg
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Contractual warranty

Warranty (in months)	18
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Environmental Data

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	109 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	4 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	104 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	138b6bc4-fa61-4beb-85a0-fb0be50437de
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes

Use Longer




Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	59
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins