

Product data sheet

Specifications



trip unit TM80G for ComPact NSX
100/160 circuit breakers, thermal
magnetic, rating 80 A, 4 poles 4d

LV430092

⚠ Discontinued on: Jun 30, 2023

⚠ Discontinued

Main

Range	ComPact
Range of product	ComPact NSX100...250 DC ComPact NSX100...250
Product or component type	Trip unit
Trip unit name	TM-G
Trip unit technology	Thermal-magnetic
Range compatibility	ComPact NSX100 ComPact NSX160 ComPact NSX100 DC
Device application	Generator
Number of poles	4P
Protected poles description	4t
Neutral position	Left
Trip unit protection functions	LI
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rated current	80 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz 750 V DC
Network type	AC DC
Network frequency	50/60 Hz

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
[t_r] long-time protection delay adjustment range	120...400 s at 1.5 x I_n
Short-time protection pick-up adjustment type I_{sd}	Fixed
[I_{sd}] Short-time protection pick-up adjustment range	200 A
Short-time protection delay adjustment type t_{sd}	Fixed
Earth-leakage protection	Without

List Price displayed is VAT EXCLUSIVE.

Neutral protection settings	1 x Ir (4t)
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Environment

Standards	UL 508 EN/IEC 60947-2
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Product certifications	EAC Marine CCC
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Ambient air temperature for operation	-25...70 °C
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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	9.5 cm
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Package 1 Width	6.8 cm
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Package 1 Length	15 cm
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Package 1 Weight	420 g
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Unit Type of Package 2	S03
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Number of Units in Package 2	32
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Package 2 Height	30 cm
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Package 2 Width	30 cm
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Package 2 Length	40 cm
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Package 2 Weight	42.087 kg
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Unit Type of Package 3	P12
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Number of Units in Package 3	768
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Package 3 Height	70 cm
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Package 3 Width	120 cm
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Package 3 Length	80 cm
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Package 3 Weight	307.2 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 >](#)

Use Better



Materials and Substances

EU RoHS Directive

[Compliant](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins