

# Product datasheet

Specifications



trip unit TM80D for ComPacT  
NSX 100/160/250 circuit breakers,  
thermal magnetic, rating 80 A, 4  
poles 4d

C104TM080

## Main

Range	ComPacT new generation
Range of product	ComPacT NSX100...250 new generation
Product or component type	Trip unit
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Range compatibility	ComPacT new generation NSX100 ComPacT new generation NSX160 ComPacT new generation NSX250
Device application	Distribution
Poles description	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 rating	80 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
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
[ $T_r$ ] long-time protection delay adjustment range	120...400 s at 1.5 x $I_n$ 15 s at 6 x $I_r$
Short-time protection pick-up adjustment type $I_{sd}$	Fixed
[ $I_{sd}$ ] Short-time protection pick-up adjustment range	640 A

Short-time protection delay adjustment type tsd	Fixed
Earth-leakage protection	Without
Neutral protection settings	1 x Ir (4t)

## Environment

Standards	UL 508 EN/IEC 60947-2
Product certifications	Marine EAC CCC
Pollution degree	3 conforming to IEC 60947-1
Ambient air temperature for operation	-25...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 Weight	498.0 g
Package 1 Height	6.7 cm
Package 1 width	9.8 cm
Package 1 Length	14.8 cm
Unit Type of Package 2	S03
Number of Units in Package 2	23
Package 2 Weight	11.858 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

## Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information

## Contractual warranty

Warranty	18 months
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