Product data sheet
Characteristics

C103TM050
Trip unit TM50D, ComPacT NSX100/160, 3 poles, thermal magnetic protections, 50A rating



Main

Range	ComPacT
Range of product	ComPacT NSX100...250 ComPacT NSX100...250 DC
Product or component type	Trip unit
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Range compatibility	ComPacT NSX100 ComPacT NSX160 ComPacT NSX100 DC
Device application	Distribution
Poles description	3P
Protected poles description	3D
Trip unit protection functions	LI
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
[In] rated current	50 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
Mounting mode	Fixed

Complementary

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
[tr] long-time delay adjustment range	120…400 S at 1.5 x In 15 S at 6 x Ir
Instantaneous pick-up adjustment type Ii	Fixed
Instantaneous pick-up adjustment range	500 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.0 Cm
Package 1 Width	10.0 Cm
Package 1 Length	11.5 Cm
Package 1 Weight	412.0 G
Unit Type of Package 2	S03
Number of Units in Package 2	28
Package 2 Height	30.0 Cm
Package 2 Width	30.0 Cm
Package 2 Length	40.0 Cm
Package 2 Weight	11.86 Kg

Offer Sustainability

Recyclability potential, in %	54
Total lifecycle Carbon footprint	74 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2.275809523809524
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1187633041788144
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.03477576287657921
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	70.68599999999998
Carbon footprint of the use phase [B2, B3, B4, B6]	71 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.6965362487852284
Carbon footprint of the end-of-life phase [C1 to C4]	0.7 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	74
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	138b6bc4-fa61-4beb-85a0-fb0be50437de
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised