

Product datasheet

Specifications



Trip unit TM80DC, ComPacT NSX100 DC, 4 poles, thermal magnetic protections, 80A rating

C104TM080D

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 | 80 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 |
|-------------------------------------|-------------|

Packing Units

| | |
|------------------------|-----|
| Unit Type of Package 1 | PCE |
|------------------------|-----|

| | |
|------------------------------|---|
| Number of Units in Package 1 | 1 |
|------------------------------|---|

| | |
|------------------|--------|
| Package 1 Height | 6.5 cm |
|------------------|--------|

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|-----------------|--------|
| Package 1 Width | 9.5 cm |
|-----------------|--------|

| | |
|------------------|-------|
| Package 1 Length | 15 cm |
|------------------|-------|

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|------------------|-------|
| Package 1 Weight | 543 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 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 | 12.872 kg |
|------------------|-----------|

Contractual warranty

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|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



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 | 139 kg CO2 eq. |
| 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] | 134 kg CO2 eq. |
| Carbon footprint of the end-of-life phase [C1 to C4] | 1 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |

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 |
|--------|----|

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 |