



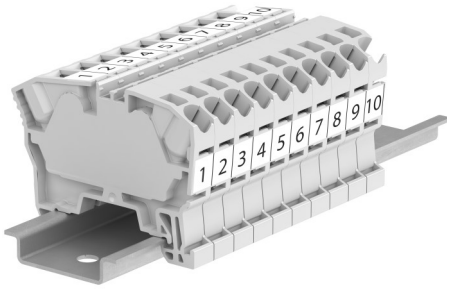


# MC Printable continuous strip labels

## Technical Datasheet

TTDS-288 Revision 1
November 2023

MC continuous strip labels is designed for use on terminal block assemblies and electrical components for identification purpose.

MC continuous strip labels are adhesive backed and use a high-quality polypropylene material to adapt to SNK terminal block assemblies.

These labels are designed to be thermal transfer printed with TE printers and ribbons that allow multiple prints at customized length, thanks to WinTotal software, available from TE.

After printing, MC strips will be placed onto the SNK flat marking area thanks to the strong permanent adhesive the MC strips are backed with.

MC continuous strip labels are supplied in rolls of 20 meters length.

# MC STRIP LABELS

## Features

- Strip mounting on Top or Side marking area of SNK terminal blocks
- Adhesive strip for convenient mounting on flat surface
- Permanent acrylic adhesive
- High print quality in 300 or 600 dpi using TE thermal transfer printers

## Temperature rating

- Operation Temperature Range: -40°C to 100°C (-40°F to 212°F)
- Minimum Application Temperature: 5°C (41°F)

## Applications

- Electrical Panel
- Industrial
- HVAC
- Automation

## Design for Environment

- Does not contain any RoHS (EU 2015/863) substance
- Does not contain any California Prop 65 substances
- No restricted substances as listed in the Toxic Substances Control Act
- Further information and a downloadable declaration covering RoHS and REACH compliance can be found at the TE Product Compliance Support Centre:
- http://www.te.com/usa-en/utilities/product-compliance.html

## Shelf life

- Two years when following good commercial storage practice detailed below.

## Storage

- Product should be stored in the original packaging, with any plastic covers which were included during shipping.
- Store out of direct sunlight in a clean, dry, dust free, environment.
- Product should be stored at approximately 21°C (70°F) and 50% R.H.

**Where possible, TE have tested product as a finished item, including the print. Operational tests are followed by an assessment of mark adherence to validate fit form and function.**

# MC STRIP LABELS

## Typical Label Thickness

- Label (including adhesive): 0.227 mm / 0.0089 inch
- Liner: 0.126 mm / 0.0049 inch

## Technical performance

| | Requirements | Results |
|---|---|---|
| **Print Permanence** | | |
| Marking of Electrical Insulating Materials, SAE AS 5942 | Legible(1) (min. C3) after 20 rubs 1kg weight with an eraser | Pass |
| Resistance to solvents, MIL STD 202 Method 215 | Legible(1) (min. C3) after 30 wipes | Pass |
| **Fluid Exposure** | | |
| • IPA<br>• Water<br>• Teepol | Labels to remain legible(1) (min. C3) after 20 wipes with cloth soak on fluids (TE doc 109-121012) | Pass |

| **Adhesion** to FTM2 (90°) | | **Peel force (N/25mm (oz/in.))** | |
|---|---|---|---|
| **Test surface:** | | **20min. Dwell** | **72hrs. Dwell** |
| • Stainless steel | FTM2 (90°) | 10.73 N/25mm | 11.31 N/25mm |

| | | |
|---|---|---|
| **Sinusoidal vibration** | | |
| IEC 61373 | Marker does not fall off of terminal block | Pass |
| | Strip position on terminal block unchanged | Pass |
| **Sulphur dioxide ($SO_2$) resistance** | | |
| ISO 6988 | No damage to marker, print legible(1) (min. C3) | Pass |
| | Strip position on terminal block unchanged | Pass |
| **Salt Mist** | | |
| IEC 60068-2 11<br>96hr (conc 5% NaCl) 35°C max.<br>Followed by 20 dry rubs, 1kg | No damage to marker & TT print legible(1) (min. C3) | Pass |
| | Strip position on terminal block unchanged | Pass |

(1) According to TE doc 411-121002

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# MC STRIP LABELS

## Technical performance

| | Requirements | Results |
|---|---|---|
| **Thermal performance** | | |
| Dry heat test IEC 60068-2 2<br>Test Bb — 96hr @ 100°C<br>Followed by 20 dry rubs, 1kg | No damage to marker, print legible(1) (min. C3) | Pass |
| | Strip position on terminal block unchanged | Pass |
| Low temperature test IEC 60068-2 1<br>Test Ab — 96hr @ -40°C<br>Followed by 20 dry rubs, 1kg | No damage to marker, print legible(1) (min. C3) | Pass |
| | Strip position on terminal block unchanged | Pass |
| Damp heat cycle IEC 60068-2 30<br>Method variant 1 — 2 cycles @ 55°C and 95% R.H.<br>Followed by 20 dry rubs, 1kg | No damage to marker, print legible(1) (min. C3) | Pass |
| | Strip position on terminal block unchanged | Pass |
| Climatic sequence IEC60068-2 61<br>1 cycle<br>Dry heat test — 16hr @ 85°C<br>Damp cycle — @ 55°C and 95% R.H. | No damage to marker, print legible(1) (min. C3) | Pass |
| | Strip position on terminal block unchanged | Pass |

(1) According to TE doc 411-121002

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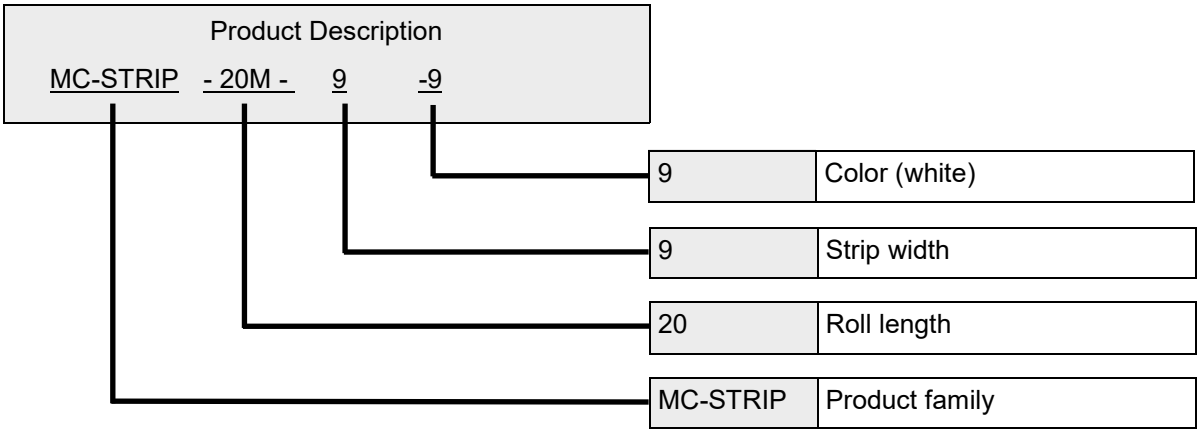
# MC STRIP LABELS

## Ordering information

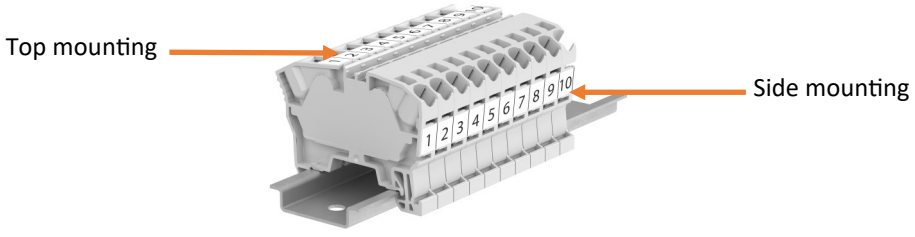



| Product description | Product order code | Number of strips | Strips width (mm) | Roll length (m) | Color |
|---|---|---|---|---|---|
| MC-STRIP-20M-9-9 | 1SNK140901R0000 | 1 | 9 | 20 | White |

## Printing and mounting instructions

Strip labels are supplied in a special box the "Protect, Print and Store Box". This box allows the customer to print the labels in the thermal transfer printer without having to remove them from the box and thus protecting the label from being touched and from the environment.

Continuous strip labels can be mounted in two different ways on the blocks:




The strip must be stuck to a clean surface without touching the adhesive with your fingers. For optimum performance, the adhesive should be left in place for at least 72hrs.

# MC STRIP LABELS

## Ordering information

| | Type | Pitch mm | Pitch in | Top Mounting  | Side Mounting  |
|---|---|---|---|---|---|
| Screw clamp terminal blocks | ZS4... | 5.2 | 0.205 | ● | ● |
| | ZS6... | 6 | 0.236 | ● | ● |
| | ZS10... | 8 | 0.315 | ● | ● |
| | ZS16... | 10 | 0.394 | ● | ● |
| | ZS25... | 12 | 0.472 | ● | ● |
| | ZS35... | 16 | 0.630 | ● | ● |
| | ZS50... | 16 | 0.630 | ● | ● |
| | ZS70... | 22 | 0.866 | ● | ● |
| | ZS95... | 26 | 1.024 | ● | ● |
| | ZS150... | 31 | 1.220 | ○ | ○ |
| | ZS240... | 36 | 1.417 | ○ | ○ |
| PI-Spring terminal blocks | ZK2.5... | 5.2 | 0.205 | ● | ● |
| | ZK4... | 6 | 0.236 | ● | ● |
| | ZK6... | 8 | 0.315 | ● | ● |
| | ZK10... | 10 | 0.394 | ● | ● |
| | ZK16... | 12 | 0.472 | ● | ● |
| Pluggable terminal blocks and female plugs | ZD2.5... | 5.2 | 0.205 | ● | ● |
| | ZDK2.5... | 5.2 | 0.205 | ● | ● |
| | ZDK4... | 6 | 0.236 | ● | ● |
| | ZDS4... | 5.2 | 0.205 | ● | ● |
| | ZDS4...-R1 | 6 | 0.236 | ● | ● |
| | CDK2.5... | 5.2 | 0.205 | | ○ |
| | CDK4... | 6 | 0.236 | | ○ |
| | CDS4... | 5.2 | 0.205 | | ○ |
| | CDS...R1 | 6 | 0.236 | | ○ |

● Recommended
○ Possible

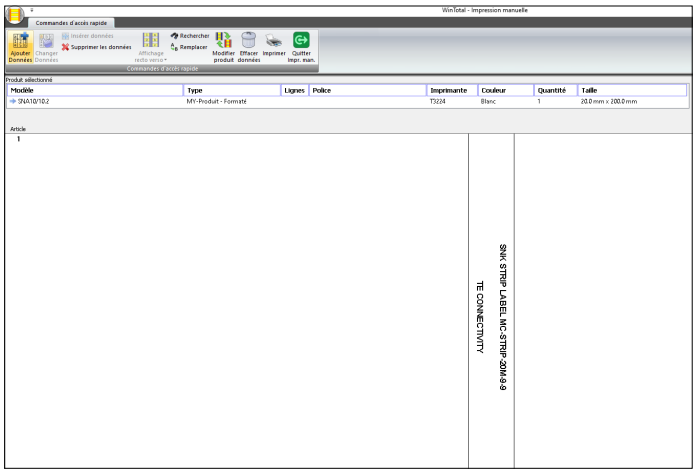
# MC STRIP LABELS

## Printer information

Print quality and print performance can only be guaranteed when specific TE printer and ribbons are used.

The current list of printers and ribbons can be found in TE document 411-121005 ‘Identification Printer Product Ribbon Matrix’. This document can be found in ‘Access our Tools’:

https://www.te.com/commerce/DocumentDelivery/DDEController?Action=showdoc&DocId=Specification+Or+Standard%7F411-121005%7F32%7Fpdf%7FEnglish%7FENG_SS_411-121005_32.pdf%7F557721-000vvvvvvv




## Software

WINTOTAL software, available to download for a 14 day evalutation period from the Identification Printer Software page:

https://www.te.com/usa-en/products/identification-labeling/printers-software-and-accessories/printing-software/wintotal.html?tab=pgp-story

Contact a TE representative for further information.

te.com