

# 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

## Applications

- Electrical Panel
- Industrial
- HVAC
- Automation

## Temperature rating

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

## 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
<b>Print Permanence</b>		
Marking of Electrical Insulating Materials, SAE AS 5942	Legible <sup>(1)</sup> (min. C3) after 20 rubs 1kg weight with an eraser	Pass
Resistance to solvents, MIL STD 202 Method 215	Legible <sup>(1)</sup> (min. C3) after 30 wipes	Pass
<b>Fluid Exposure</b>		
<ul style="list-style-type: none"><li>• IPA</li><li>• Water</li><li>• Teepol</li></ul>	Labels to remain legible <sup>(1)</sup> (min. C3) after 20 wipes with cloth soak on fluids (TE doc 109-121012)	Pass
<b>Adhesion to FTM2 (90°)</b>		<b>Peel force (N/25mm (oz/in.))</b>
<b>Test surface:</b>		<b>20min. Dwell      72hrs. Dwell</b>
<ul style="list-style-type: none"><li>• Stainless steel</li></ul>	FTM2 (90°)	10.73 N/25mm      11.31 N/25mm
<b>Sinusoidal vibration</b>		
IEC 61373	Marker does not fall off of terminal block	Pass
	Strip position on terminal block unchanged	Pass
<b>Sulphur dioxide (SO<sub>2</sub>) resistance</b>		
ISO 6988	No damage to marker, print legible <sup>(1)</sup> (min. C3)	Pass
	Strip position on terminal block unchanged	Pass
<b>Salt Mist</b>		
IEC 60068-2 11	No damage to marker & TT print legible <sup>(1)</sup> (min. C3)	Pass
96hr (conc 5% NaCl) 35°C max.		
Followed by 20 dry rubs, 1kg	Strip position on terminal block unchanged	Pass

(1) According to TE doc 411-121002

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## Technical performance

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

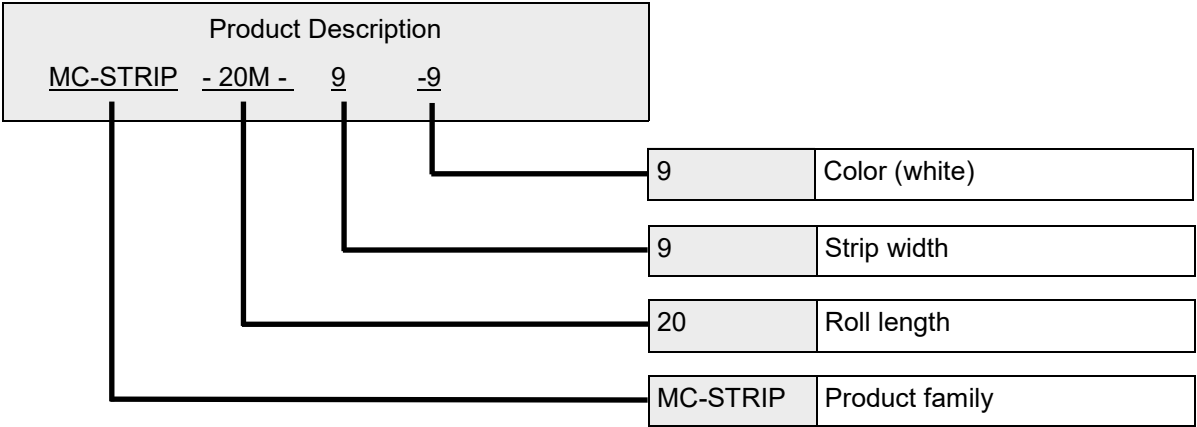
(1) According to TE doc 411-121002

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# MC STRIP LABELS

## Ordering information



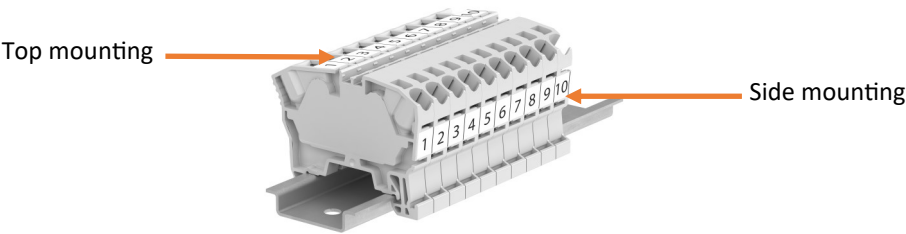
Product description	Product order code	Number of strips	Strips width (mm)	Roll length (m)	Color
MC-STRIP-20M-9-9	1SNK140901R0000	1	9	20	White

## 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

				Top Mounting	Side Mounting
					
Type	Pitch mm	Pitch in			
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':

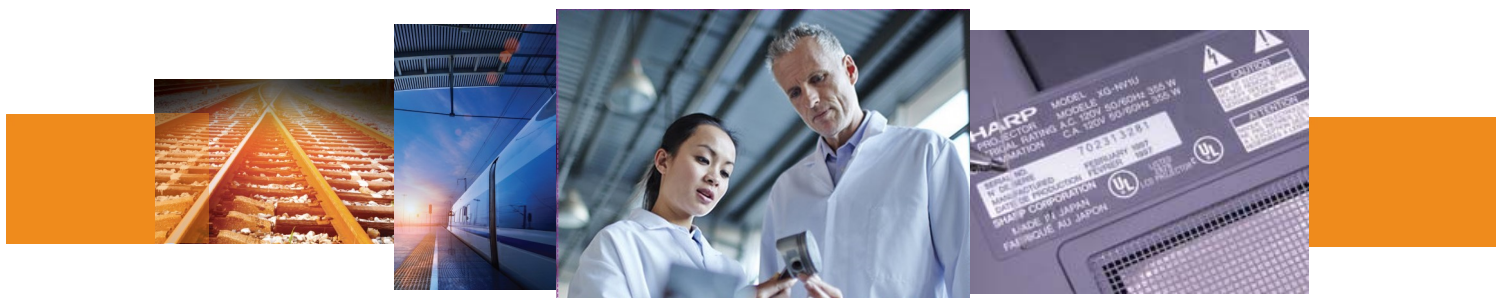
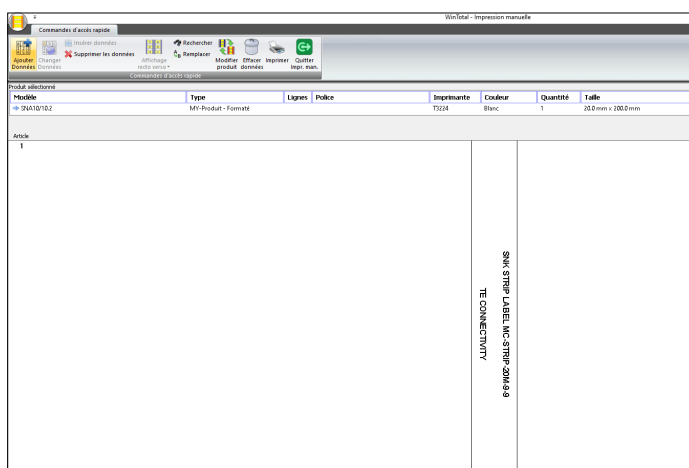
[https://www.te.com/commerce/DocumentDelivery/DDEController?Action=showdoc&DocId=Specification+Or+Standard%7F411-121005%7F32%7Fpdf%7FEnglish%7FENG\\_SS\\_411-121005\\_32.pdf%7F557721-000vvvvvv](https://www.te.com/commerce/DocumentDelivery/DDEController?Action=showdoc&DocId=Specification+Or+Standard%7F411-121005%7F32%7Fpdf%7FEnglish%7FENG_SS_411-121005_32.pdf%7F557721-000vvvvvv)

## Software

WINTOTAL software, available to download for a 14 day evaluation 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.



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