



RC and CP Printable continuous strip labels

Technical Datasheet

TTDS-287 Revision 1
November 2023

RC and CP printable continuous strip labels are designed for use on terminal block assemblies and electrical components for identification purpose.

RC and CP continuous strip labels are made of high-quality PVC material for easy insertion.

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, RC and CP strips are to be slid in to adapted feature on SNA terminal block or carrier strip.

RC and CP continuous strip labels are supplied in rolls of 20 meters length in the "Protect, Print and Store Box".

RC AND CP STRIP LABELS

Features

- Convenient slide-in strip thanks to material rigidity
- RC-Strip: Print 2 strips in 1 go, as RC-strip rolls contain 2 strips across
- CP-Strip: Mounting onto PLHA Label holder for component identification
- High print quality in 300 or 600 dpi using TE thermal transfer printers

Applications

- Electrical Panel
- Industrial
- HVAC
- Automation

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.

Temperature rating

- Operation Temperature Range: -40°C to 80°C (-40°F to 176°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>

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.



RC AND CP STRIP LABELS

Typical Label Thickness

- Label: 0.350 mm / 0.0031 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		
<ul style="list-style-type: none"> • IPA • Water • Teepol 	Labels to remain legible ⁽¹⁾ (min. C3) after 20 wipes with cloth soak on fluids (TE doc 109-121012)	Pass
Sinusoidal vibration		
IEC 61373	Marker does not fall out of terminal block Strip position in channel remain steady	Pass for side mounting ⁽²⁾
Sulphur dioxide (SO₂) resistance		
ISO 6988	No damage to marker, print legible ⁽¹⁾ (min. C3) Strip position in channel remain steady	Pass Pass
Salt Mist		
IEC 60068-2 11 96hr (conc 5% NaCl) 35°C max. Followed by 20 dry rubs, 1kg	No damage to marker, print legible ⁽¹⁾ (min. C3) Strip position in channel remain steady	Pass Pass
Flammability test	UL94	VTM-0 Pass ⁽³⁾

(1) According to TE doc 411-121002

(2) Top mounting not recommended for railway vibration

(3) Performance rating only, not official certification

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RC AND CP STRIP LABELS

Technical performance

	Requirements	Results
Thermal performance		
Dry heat test IEC 60068-2 2 Test Bb — 96hr @ 80°C Followed by 20 dry rubs, 1kg	No damage to marker, print legible ⁽¹⁾ (min. C3) Strip position in channel remain steady	Pass ⁽²⁾ Pass ⁽²⁾
Low temperature test IEC 60068-2 1 Test Ab — 96hr @ -40°C Followed by 20 dry rubs, 1kg	No damage to marker, print legible ⁽¹⁾ (min. C3) Strip position in channel remain steady	Pass Pass
Damp heat cycle IEC 60068-2 30 Method variant 1 — 2 cycles @ 55°C and 95% R.H. Followed by 20 dry rubs, 1kg	No damage to marker, print legible ⁽¹⁾ (min. C3) Strip position in channel remain steady	Pass ⁽²⁾ Pass ⁽²⁾
Climatic sequence IEC60068-2 61 1 cycle Dry heat test — 16hr @ 85°C Damp cycle — @ 55°C and 95% R.H. Low temperature — 2hr @ -25°C	No damage to marker, print legible ⁽¹⁾ (min. C3) Strip position in channel remain steady	Pass ⁽²⁾ Pass ⁽²⁾

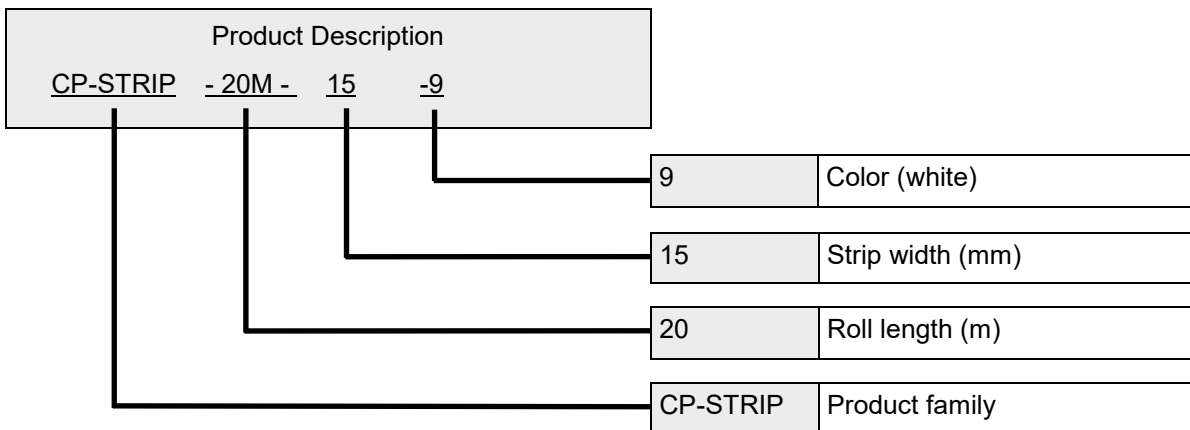
- (1) According to TE doc 411-121002
(2) Top mounting not recommended

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.



RC AND CP STRIP LABELS

Ordering information



Product description	Product order code	Number of strips	Strip width (mm)	Roll length (m)	Color
RC-STRIP-20M-7-9	1SNA235614R0000	2	7.8	20	White
RC-STRIP-20M-10-9	1SNA235615R0000	2	10.2	20	White
CP-STRIP-20M-15-9	1SNA235616R0000	1	15	20	White



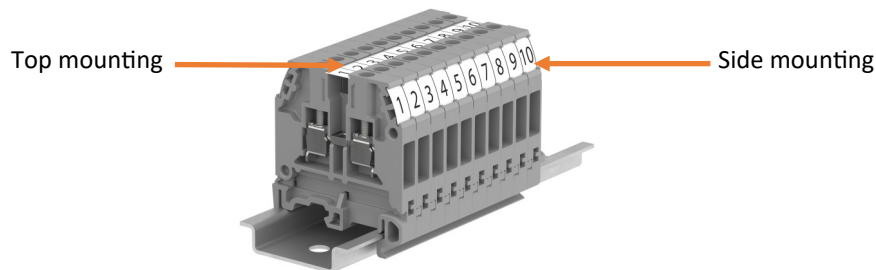
RC AND CP STRIP LABELS

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.

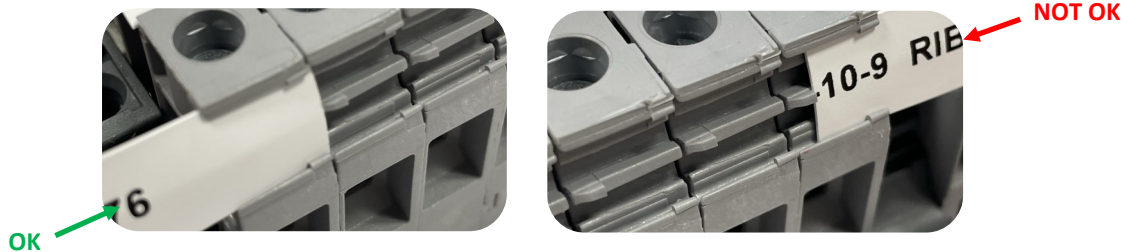


Continuous strip labels can be mounted in two different ways on the blocks:



Mounting restrictions apply, see compatibility table page 7 for more information.

For all SNA and SNA compact blocks with pin in marking area (8 and 10 mm spacing) side mounting is only possible from the rounded side of the pin.



Note: depending on the block side, the insertion direction changes (left to right or right to left).

SNA and SNA Compact Terminal block of 12mm (M16/12) and above are not compatible. (strip insertion is possible but too difficult to be recommended)




Component strip 1SNA235616R0000 CP-STRIP-20M-15-9 to be used with PLHA label holder(1SNA235887R0000).





RC AND CP STRIP LABELS

Printable continuous labels compatibility

SNA series

				RC-STRIP-20M-7-9		RC-STRIP-20M-10-9	
				1SNA235614R0000		1SNA235615R0000	
				Top Mounting		Top Mounting Side Mounting	
						 	
Type	Pitch mm	Pitch in					
Screw clamp terminal blocks	MA2.5/5...	5	0.197		●	●	
	M4/6...	6	0.236	●			●
	M4/8...	8	0.315	●			●
	M6/8...	8	0.315	●			●
	M10/10...	10	0.394	●			○
	M16/12...	12	0.472	●			○
	M35/16...	16	0.63	●			○
	D70/22...	22	0.866				○
D95/26...	26	1.024				○	

SNA Compact series

				RC-STRIP-20M-7-9		RC-STRIP-20M-10-9	
				1SNA235614R0000		1SNA235615R0000	
				Top Mounting		Side Mounting	
							
Type	Pitch mm	Pitch in					
Screw clamp terminal blocks	C2.5/5...	5	0.197	●			●
	C2.5/6...	6	0.236	●			●
	C4/6...	6	0.236	●			●
	C4/8...	8	0.315	●			●
	C6/8...	8	0.315	●			●
	C10/10...	10	0.394	●			○
	C16/12...	12	0.472	●			○

- Recommended
- Possible

RC AND CP 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':

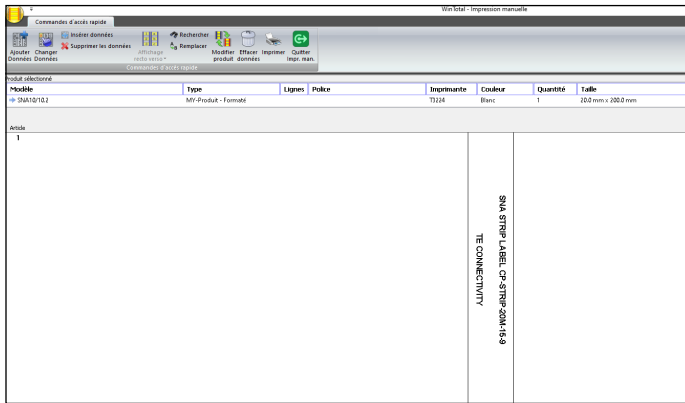
https://www.te.com/commerce/DocumentDelivery/DDEController?Action=showdoc&DocId=Specification+Or+Standard%7F411-121005%7F32%7Fpdf%7FEnglish%7FENG_SS_411-121005_32.pdf%7F557721-000vvvvvv

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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