

# 1SNA105051R2000 ✓ ACTIVE

TE Internal #: 1SNA105051R2000

Modular Terminal Blocks, Feed-Through, Screw Clamp Terminal Block, 10AWG Rated Cross Section, 4mm<sup>2</sup> Rated Cross Section, White

[View on TE.com >](#)



Connectors > Terminal Blocks & Strips > Modular Terminal Blocks



Block Function: **Feed-Through**

Modular Terminal Block Product Type: **Screw Clamp Terminal Block**

Rated Cross Section: **4 mm<sup>2</sup>**

Primary Product Color: **White**

## Features

### Product Type Features

Modular Terminal Block Product Type	Screw Clamp Terminal Block
-------------------------------------	----------------------------

### Configuration Features

Gauge Type	A4
Number of Levels	2
Number of Poles	2
Number of Circuits	2
Block Function	Feed-Through
Number of Positions	2

### Electrical Characteristics

Operating Voltage Rating (UL & CSA) (Max) - Main Circuit	600 V
Impulse Withstanding Voltage Rating (IEC)	8000 V
Voltage Rating (CSA)	600 V
Current Rating (CSA)	30 A
Dielectric Test Voltage	2000 V
Short-Time Withstanding Current Rating @ 1s	480 A
Voltage Rating (IEC)	1000 V
Current Rating (UL)	30 A
Current Rating (IEC)	32 A
Voltage Rating	1000 VAC

### Body Features

Product Weight	8.2 g [.289 oz]
----------------	-----------------

Primary Product Color	White
-----------------------	-------

### Termination Features

Termination Method to Wire & Cable	Screw Terminal
------------------------------------	----------------

### Mechanical Attachment

DIN Rail Mounting Type	G32, TH35-15, TH35-7.5
------------------------	------------------------

Tightening Torque	4.4 in-lbs
-------------------	------------

Connector Mounting Type	DIN Rail
-------------------------	----------

### Housing Features

Housing Material	Polyamide 6.6
------------------	---------------

### Dimensions

Main Circuit Capacity - 1 Rigid Stranded Conductor per Screw Clamp	.2 – 4 mm <sup>2</sup>
--	------------------------

Wire Stripping Length	9.5 mm [.374 in]
-----------------------	------------------

Main Circuit Capacity - 1 Flexible Conductor per Spring Clamp	.22 – 4 mm <sup>2</sup>
---	-------------------------

Tool Size	4 mm [.157 in]
-----------	----------------

Product Depth	40.5 mm
---------------	---------

Product Width	6 mm [.235 in]
---------------	----------------

Product Length	40.5 mm
----------------	---------

Product Height	44.5 mm
----------------	---------

Rated Cross Section	4 mm <sup>2</sup>
---------------------	-------------------

Product Spacing	6 mm [.235 in]
-----------------	----------------

Wire Size	4 mm <sup>2</sup>
-----------	-------------------

### Usage Conditions

Storage Temperature Range	-55 – 110 °C [-67 – 230 °F]
---------------------------	-----------------------------

Installation Temperature Range	-5 – 40 °C [23 – 104 °F]
--------------------------------	--------------------------

Operating Temperature Range	-55 – 110 °C [-67 – 230 °F]
-----------------------------	-----------------------------

### Operation/Application

Circuit Application	Signal
---------------------	--------

### Industry Standards

IP Rating	IP20
-----------	------



UL Flammability Rating

UL 94V-0

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Compatible Parts

 <p>TE Part # 1SNA103775R0000 RC65-BL</p>	 <p>TE Part # 1SNA103776R0100 RC65-RD</p>	 <p>TE Part # 1SNA113003R1000 SCM6</p>	 <p>TE Part # 1SNA113546R1400 PC6-2</p>
--	---	---	--



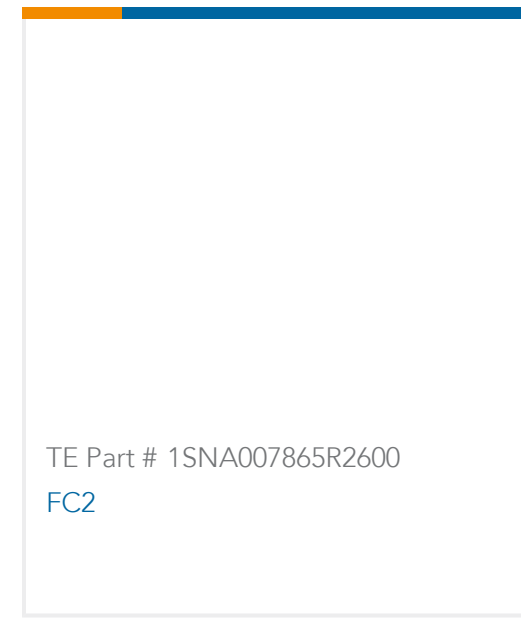
TE Part # 1SNA113548R2600  
PC6-10



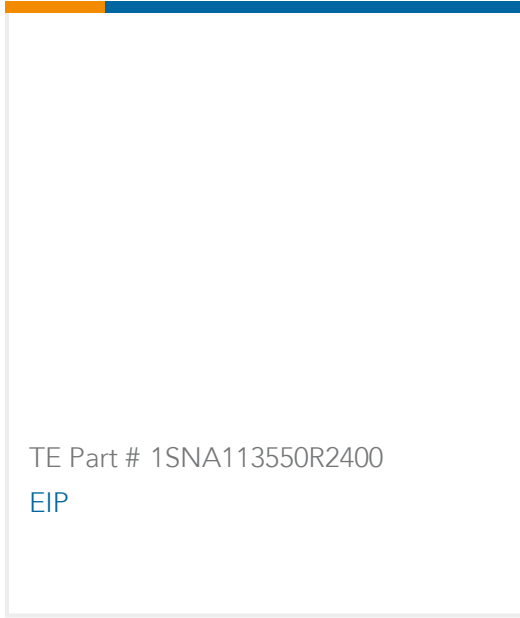
TE Part # 1SNA114825R0500  
SCFM6



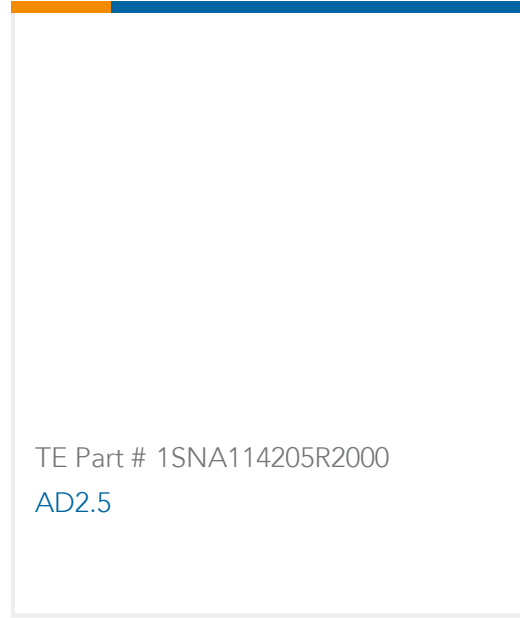
TE Part # 1SNA233000R0100  
RC610



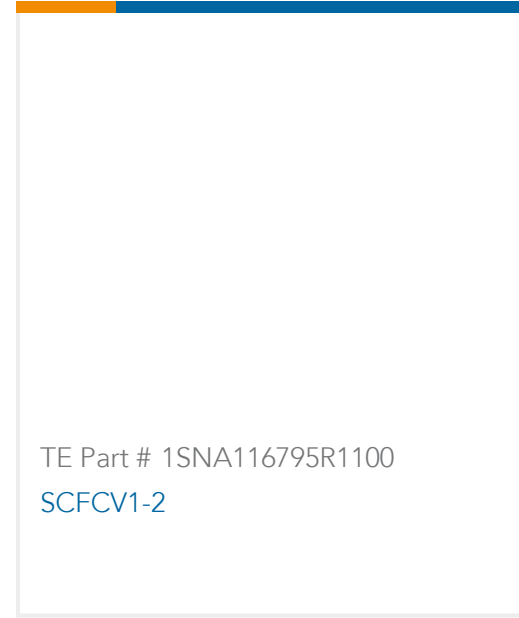
TE Part # 1SNA007865R2600  
FC2



TE Part # 1SNA113550R2400  
EIP



TE Part # 1SNA114205R2000  
AD2.5



TE Part # 1SNA116795R1100  
SCFCV1-2



TE Part # 1SNA118368R1600  
FEM6



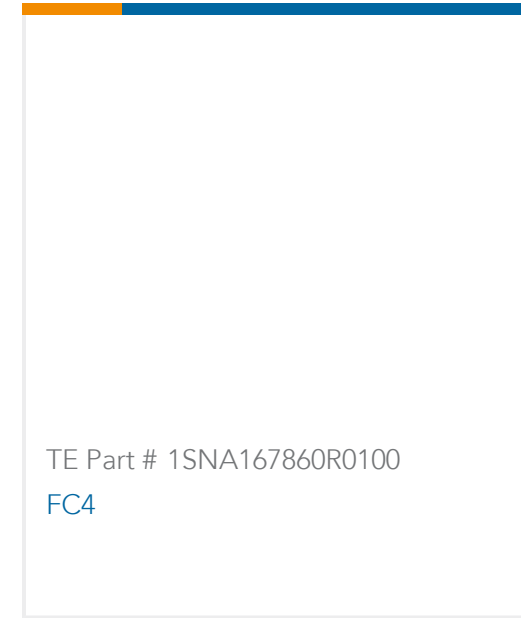
TE Part # 1SNA118707R0300  
SCF6



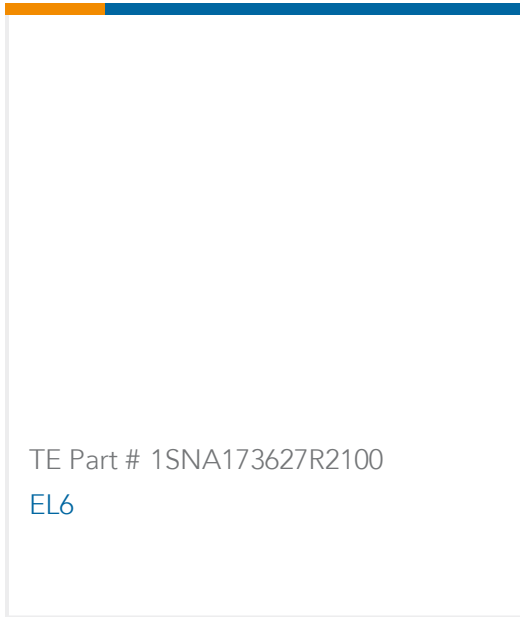
TE Part # 1SNA163043R2100  
AL2



TE Part # 1SNA163261R0000  
AL3



TE Part # 1SNA167860R0100  
FC4



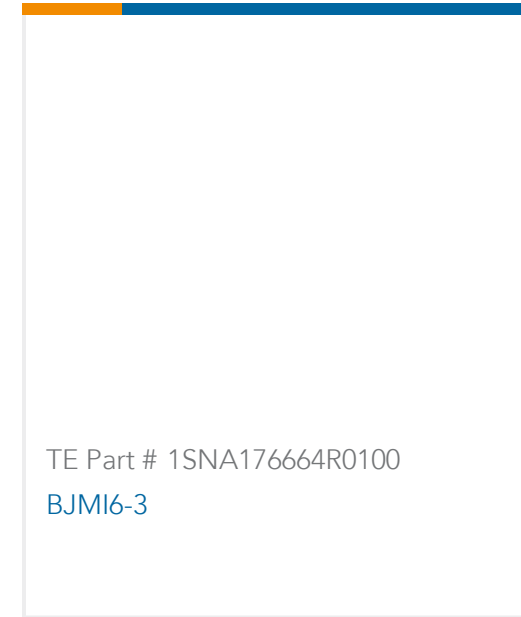
TE Part # 1SNA173627R2100  
EL6



TE Part # 1SNA174781R2500  
BJDP4



TE Part # 1SNA176663R0000  
BJMI6-2



TE Part # 1SNA176664R0100  
BJMI6-3

### Customers Also Bought



TE Part #1-1879455-9  
TE 1500W 33R 5% Bracket



TE Part #YDTS26F19-32SCV001  
PLUG ASSY



TE Part #1SNA105001R2700  
M4/6



TE Part #1SNA105002R2000  
M4/6



## Documents

### CAD Files

[3D PDF](#)

[3D](#)

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1SNA105051R2000\\_A1.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1SNA105051R2000\\_A1.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1SNA105051R2000\\_A1.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[M4/6](#)

English

[ENTRELEC Terminal Blocks Catalogue \(RUS\)](#)