

1SNL308010R0000 ✓ ACTIVE

ENTRELEC

TE Internal #: 1SNL308010R0000

Power Distribution Blocks, Single Pole, 1 Pole, 80 A Current Rating (UL), 7 Position, Wire & Cable, Power, DIN Rail, -55 – 110 °C [-67 – 230 °F]

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Connectors > Terminal Blocks & Strips > Power Distribution Blocks



Number of Poles: 1

Circuit Configuration: **Single Pole**

Current Rating (IEC): **80 A**

Current Rating (UL): **80 A**

Number of Positions: 7

## Features

### Product Type Features

Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Poles - Main Circuit	3
Number of Poles - Output 1	4
Block Configuration	Feed-Through
Number of Levels	1
Number of Circuits	1
Number of Poles	1
Circuit Configuration	Single Pole
Number of Positions	7

### Electrical Characteristics

Impulse Withstanding Voltage Rating (IEC)	8000 V
Power Loss	2.56 W
Short-Time Withstanding Current Rating @ 1s	1920 A
Voltage Rating (IEC)	1000 VAC
Operating Voltage Rating (UL & CSA) (Max) - Main Circuit	1000 V



Voltage Rating (CSA)	1000 V
Peak Withstanding Current Rating	27 kA
Short Circuit Current Rating	100 kA
Dielectric Test Voltage	2200 V
Input Current (Max)	80 A
Current Rating (IEC)	80 A
Current Rating (UL)	80 A

### Body Features

Product Weight	70 g[2.469 oz]
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### Contact Features

Contact Current Rating (Max)	80 A
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### Mechanical Attachment

DIN Rail Mounting Type	TH35-15, TH35-7.5
Tightening Torque - Output 1	7.2 – 10.8 in-lbs
Connection Type	Screw
Tightening Torque - Main Circuit	13.5 – 18 in-lbs
Connector Mounting Type	DIN Rail

### Housing Features

Housing Material	Polyamide
Housing Color	Gray

### Dimensions

Output 1 Capacity - 1 Insulated Ferrule	14 – 10 AWG
Main Circuit Capacity - 1 Insulated Ferrule per Screw Clamp	14 – 6 AWG
Wire Stripping Length - Main Circuit	15 mm[.591 in]
Main Circuit Capacity - 1 Rigid Stranded Conductor per Screw Clamp	14 – 4 AWG
Hole Diameter - Output 1	4.5 mm[.177 in]
Output 1 Capacity - 1 Rigid Stranded Conductor	14 – 10 AWG
Tool Size - Output 1	4 mm[.157 in]
Wire Stripping Length - Output 1	11 mm[.43 in]
Hole Diameter - Main Circuit	6.6 mm[.256 in]
Tool Size - Main Circuit	5.5 mm[.216 in]
Product Spacing	28.4 mm[1.11 in]



Rated Cross Section	4 AWG
Product Depth	50.2 mm[1.771 in]
Product Width	28.4 mm[1.002 in]
Product Height	66 mm[2.328 in]

### 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	Power
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### Industry Standards

Tool - Output 1	Flat Screwdriver
Tool - Main Circuit	Flat Screwdriver
IP Rating	IP20
UL Flammability Rating	UL 94V-0

### Product Compliance

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






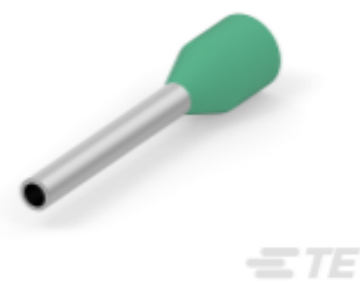
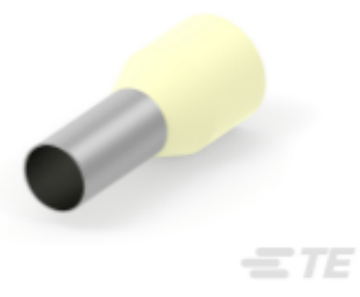




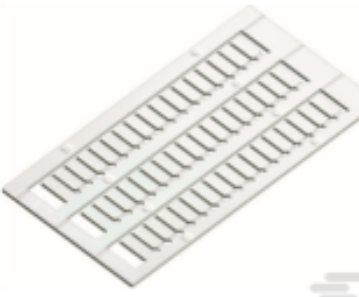




EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (3.5% in Component Part) <b>Article Safe Usage Statements:</b> Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 # 1SNK900001R0000 BAM4</p>	 <p>TE Part # 1SNK900002R0000 BAZ1</p>	 <p>TE Part # 1SNK900102R0000 BAZH1</p>	 <p>TE Part # 1SET111011R0000 WF025-12-GR</p>
 <p>TE Part # 1SET111014R0000 WF040-12-OR</p>	 <p>TE Part # 1SET111016R0000 WF060-12-GN</p>	 <p>TE Part # 1SET111020R0000 WF160-12-IV</p>	 <p>TE Part # 1SET111030R0000 WF025-12-BL</p>
 <p>TE Part # 1SET111033R0000 WF040-12-GR</p>	 <p>TE Part # 1SET111035R0000 WF060-12-YL</p>	 <p>TE Part # 1SET111039R0000 WF160-12-BL</p>	 <p>TE Part # 1SNK140000R0000 MC512</p>
 <p>TE Part # 1SNK149002R0000 MC512PA L1-L2-L3-N-PE (x20) Vertical</p>	 <p>TE Part # 1SNK149999R0000 MC512PA</p>	 <p>TE Part # 1SNA116900R2700 BADH</p>	 <p>TE Part # 1SNA399903R0200 BADL</p>

## Customers Also Bought



## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1SNL308010R0000\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1SNL308010R0000\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1SNL308010R0000\\_A.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

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French

[ENTRELEC DBL Power Distribution Blocks Catalogue](#)

English



[ENTRELEC Terminal Block - Master Catalog](#)

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[DBL80](#)

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[DBL Power-Distribution-Blocks](#)

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[Essential Entrelec Terminal Blocks](#)

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