

1SNL850001R0000 ✓ ACTIVE

ENTRELEC

TE Internal #: 1SNL850001R0000

Power Distribution Blocks, Single Pole, 1 Pole, 510 A Current Rating (UL), 4 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): **500 A**

Current Rating (UL): **510 A**

Number of Positions: 4

Features

Product Type Features

Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Poles - Main Circuit	2
Block Configuration	Feed-Through
Number of Poles - Output 1	2
Number of Levels	1
Number of Circuits	1
Number of Poles	1
Circuit Configuration	Single Pole
Number of Positions	4

Electrical Characteristics

Impulse Withstanding Voltage Rating (IEC)	8000 V
Short-Time Withstanding Current Rating @ 1s	22800 A
Operating Voltage Rating (UL & CSA) (Max) - Main Circuit	1000 V
Voltage Rating (CSA)	1000 V
Peak Withstanding Current Rating	48 kA



Voltage Rating (IEC)	1500 VDC
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Dielectric Test Voltage	2200 V
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Power Loss	16 W
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Input Current (Max)	500 A
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Current Rating (IEC)	500 A
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Current Rating (UL)	510 A
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Body Features

Product Weight	119 g
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Contact Features

Contact Current Rating (Max)	500 A
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Mechanical Attachment

Tightening Torque - Output 1	168 – 185 in-lbs
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Connection Type	Screw
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Tightening Torque - Main Circuit	168 – 185 in-lbs
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Connector Mounting Type	DIN Rail
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Housing Features

Housing Material	Polyamide
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Housing Color	Gray
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Dimensions

Output 1 Capacity - 1 Insulated Ferrule	4 – 0 AWG
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Main Circuit Capacity - 1 Insulated Ferrule per Screw Clamp	4 – 250 mm ²
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Main Circuit Capacity - 1 Rigid Stranded Conductor per Screw Clamp	4 – 0 kcmil
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Output 1 Capacity - 1 Rigid Stranded Conductor	25 – 120 mm ²
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	4 – 000 in
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Main Circuit Capacity - Flexible Bar	25 – 120 mm[4 – 250 in]
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Wire Stripping Length - Output 1	28 mm[1.1 in]
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Wire Stripping Length - Main Circuit	28 mm[1.1 in]
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Tool Size - Output 2	28 mm[1.1 in]
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Hole Diameter - Output 1	15.5 mm[.59 in]
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Tool Size - Output 1	28 mm[1.1 in]
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Hole Diameter - Main Circuit	15.5 mm[.59 in]
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Tool Size - Main Circuit	6 mm[.24 in]
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Product Spacing	.24 mm[95 in]
Rated Cross Section	6 AWG
Product Depth	46 mm[1.81 in]
Product Width	.24 mm[6 in]
Product Length	250 mm
Product Height	46 mm[1.81 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	Allen Key
Tool - Main Circuit	Allen Key
IP Rating	IP10
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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
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



Customers Also Bought



Documents

[CAD Files](#)



3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1SNL850001R0000_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1SNL850001R0000_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1SNL850001R0000_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[ENTRELEC DBL Power Distribution Blocks Catalogue](#)

French

[ENTRELEC DBL Power Distribution Blocks Catalogue](#)

English

[ENTRELEC Terminal Block - Master Catalog](#)

English

[DBL Power-Distribution-Blocks](#)

English

[Essential Entrelec Terminal Blocks](#)

French

[Essential Entrelec Terminal Blocks](#)

English

Agency Approvals

[UL](#)

English