

1SNL325010R0000 ✓ ACTIVE

ENTRELEC

TE Internal #: 1SNL325010R0000

Power Distribution Blocks, Single Pole, 1 Pole, 255 A Current Rating (UL), 12 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): **250 A**

Current Rating (UL): **255 A**

Number of Positions: **12**

Features

Product Type Features

Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Poles - Main Circuit	1
Block Configuration	Feed-Through
Number of Poles - Output 3	4
Number of Poles - Output 1	2
Number of Poles - Output 2	5
Number of Levels	1
Number of Circuits	1
Number of Poles	1
Circuit Configuration	Single Pole
Number of Positions	12

Electrical Characteristics

Impulse Withstanding Voltage Rating (IEC)	8000 V
Short-Time Withstanding Current Rating @ 1s	11400 A
Operating Voltage Rating (UL & CSA) (Max) - Main Circuit	1000 V



Voltage Rating (CSA)	1000 V
Peak Withstanding Current Rating	51 kA
Voltage Rating (IEC)	1500 VDC
Dielectric Test Voltage	2200 V
Power Loss	8 W
Short Circuit Current Rating	100 kA
Input Current (Max)	250 A
Current Rating (IEC)	250 A
Current Rating (UL)	255 A

Body Features

Product Weight	425 g[14.991 oz]
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Contact Features

Contact Current Rating (Max)	250 A
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Mechanical Attachment

Tightening Torque - Output 1	31 – 44 in-lbs
DIN Rail Mounting Type	TH35-15, TH35-7.5
Connection Type	Screw
Tightening Torque - Main Circuit	168 – 185 in-lbs
Tightening Torque - Output 3	18 – 26.5 in-lbs
Tightening Torque - Output 2	18 – 26.5 in-lbs
Connector Mounting Type	DIN Rail

Housing Features

Housing Material	Polyamide
Housing Color	Gray

Dimensions

Output 3 Capacity - 1 Insulated Ferrule	2.5 – 10 mm ²
Output 1 Capacity - 1 Insulated Ferrule	14 – 4 AWG
Output 2 Capacity - 1 Insulated Ferrule	14 – 6 AWG
Output 2 Capacity - 1 Rigid Stranded Conductor	14 – 6 AWG
Main Circuit Capacity - 1 Insulated Ferrule per Screw Clamp	35 – 95 mm ²
Main Circuit Capacity - 1 Rigid Stranded Conductor per Screw Clamp	66 – 250 kcmil
Hole Diameter - Output 3	5.7 mm[.224 in]



Output 3 Capacity - 1 Rigid Stranded Conductor	2.5 – 10 mm ²
Output 1 Capacity - 1 Rigid Stranded Conductor	2.5 – 35 mm ²
Tool Size - Output 3	4 mm[.157 in]
Wire Stripping Length - Output 1	11 mm[.43 in]
Wire Stripping Length - Main Circuit	28 mm[1.102 in]
Tool Size - Output 2	4 mm[.157 in]
Wire Stripping Length - Output 3	11 mm[.43 in]
Hole Diameter - Output 1	8.7 mm[.342 in]
Hole Diameter - Output 2	6.5 mm[.256 in]
Tool Size - Output 1	5.5 mm[.217 in]
Hole Diameter - Main Circuit	15.3 mm[.602 in]
Wire Stripping Length - Output 2	11 mm[.43 in]
Tool Size - Main Circuit	6 mm[.236 in]
Product Spacing	46 mm[1.81 in]
Rated Cross Section	000 AWG
Product Depth	60 mm[2.116 in]
Product Width	46 mm[1.623 in]
Product Height	96 mm[3.386 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 2	Flat Screwdriver
Tool - Output 1	Flat Screwdriver
Tool - Main Circuit	Allen Key
Tool - Output 3	Flat Screwdriver
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 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) Article Safe Usage Statements: 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

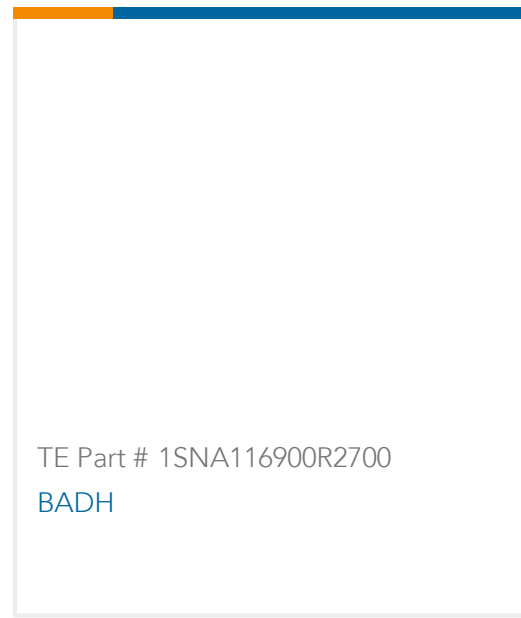
 <p>TE Part # 1SNK900001R0000 BAM4</p>	 <p>TE Part # 1SNK900002R0000 BAZ1</p>	 <p>TE Part # 1SNK900102R0000 BAZH1</p>	 <p>TE Part # 1SNK140000R0000 MC512</p>
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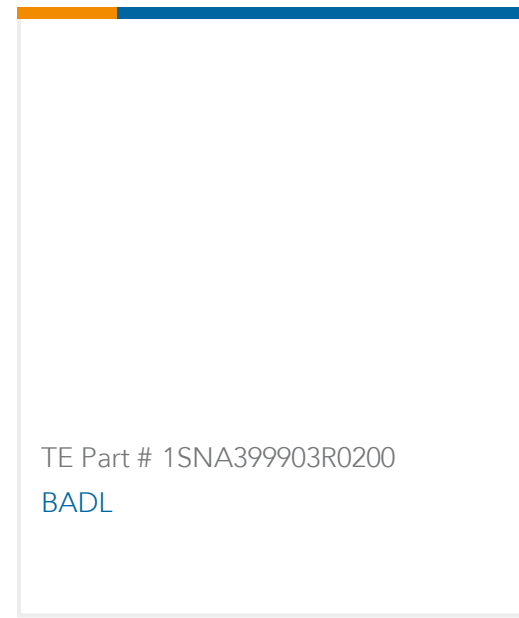
TE Part # 1SNK149002R0000
MC512PA L1-L2-L3-N-PE (x20) Vertical



TE Part # 1SNK149999R0000
MC512PA



TE Part # 1SNA116900R2700
BADH



TE Part # 1SNA399903R0200
BADL

Customers Also Bought



TE Part # 1SNK505150R0000
ZS4-PE



TE Part # 1SNK510010R0000
ZS16



TE Part # 1SET411009R0000
WD-1-DP-GR2540



TE Part # 1SET411018R0000
WD-1-DP-GR6060



TE Part # 1SNK506020R0000
ZS6-BL



TE Part # 1SNK508010R0000
ZS10



TE Part # 1SNK522010R0000
ZS70



TE Part # 1SNK706022R0000
ZK4-4P-BL



TE Part # 1SNL316010R0000
DBL160



TE Part # 1SNL317510R0000
DBL175

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_1SNL325010R0000_A.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_1SNL325010R0000_A.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_1SNL325010R0000_A.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

[DBL250](#)

English

[DBL Power-Distribution-Blocks](#)

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

[Essential Entrelec Terminal Blocks](#)

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Product Environmental Compliance

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Agency Approvals

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