

Data sheet

1742.0 SVB 175 LG



Screw-distributor block, Screw connection, Mounting type: Mounting rail TS 35/7.5 and mounting surface, Rated cross-section of input: 70 mm², Rated cross-section of output: 16 mm², Colour: Light grey

RAL: 9018

Business data

| | |
|--|-------------------------------|
| Article number | 1742.0 |
| Article name | SVB 175 LG |
| GTIN (EAN) | 4044211143497 |
| Packaging unit | 1 |
| Quantity unit | PC |
| Weight per piece (not including packaging) | 221 g |
| Weight per piece (including packaging) | 231.6 g |
| Unit of weight | G |
| Customs number | 85369010 |
| Country of origin | FR |
| Product description | Screw-type distribution block |
| Colour | Light grey |

Data sheet

1742.0 SVB 175 LG

Technical data

Dimensions

| | |
|------------------|-------|
| Length | 71 mm |
| Width | 45 mm |
| Height | 43 mm |
| Height TS 35/7.5 | 46 mm |

Ratings

| | |
|-----------------------------|--------------------|
| Rated voltage AC | 1000 V |
| Rated voltage DC | 1500 V |
| Rated current Cu | 175 A |
| Input: rated cross section | 70 mm ² |
| Output: rated cross section | 16 mm ² |
| Rated impulse voltage | 2,5 kV |
| Overvoltage category | III |
| Contamination degree | 3 |

Technical data

Connection data

| | |
|---|---------------------|
| Connection principle | Screw connection |
| Connections | 11 |
| Number of inputs | 1 |
| Number of outputs | 10 |
| Input: wire cross-section rigid, min. | 16 mm ² |
| Input: wire cross-section rigid, max. | 70 mm ² |
| Input: wire cross-section stranded, min. | 16 mm ² |
| Input: wire cross-section stranded, max. | 70 mm ² |
| Input: wire cross-section stranded, with wire-endferrules, min. | 16 mm ² |
| Input: wire cross-section stranded, with wire-endferrules, max. | 70 mm ² |
| Input: wire cross-section rigid AWG, min. | 8 |
| Input: wire cross-section rigid AWG, max. | 2/0 |
| Input: wire cross-section stranded AWG, min. | 8 |
| Input: wire cross-section stranded AWG, max. | 2/0 |
| Input: wire cross-section stranded, with wire-endferrules AWG, min. | 8 |
| Input: wire cross-section stranded, with wire-endferrules AWG, max. | 2/0 |
| Input: diameter | 12 mm |
| Input: stripping length | 16 mm |
| Input: screw head | Inner hex (Allen) |
| Input: screw threading | M 10 |
| Input: torque, min. | 6 Nm |
| Input: torque, max. | 10 Nm |
| Output: wire cross-section rigid, min. | 2.5 mm ² |
| Output: wire cross-section rigid, max. | 16 mm ² |
| Output: wire cross-section stranded, min. | 2.5 mm ² |
| Output: wire cross-section stranded, max. | 16 mm ² |
| Output: wire cross-section stranded, with wire-end ferrules, min. | 2.5 mm ² |
| Output: wire cross-section stranded, with wire-end ferrules, max. | 16 mm ² |
| Output: wire cross-section rigid AWG, min. | 14 |
| Output: wire cross-section rigid AWG, max. | 4 |
| Output: wire cross-section stranded AWG, min. | 14 |
| Output: wire cross-section stranded AWG, max. | 4 |
| Output: wire cross-section stranded, with wire-end ferrules AWG, min. | 14 |
| Output: wire cross-section stranded, with wire-end ferrules AWG, max. | 4 |
| Output: diameter | 6.5 mm |
| Output: stripping length | 12 mm |

Technical data

Materials

| | |
|---------------------------|---------------|
| Insulation housing | Polyamide 6.6 |
| Flammability class UL 94 | V-0 |
| Working temperature, min. | -40 °C |
| Working temperature, max. | 120 °C |

Further technical data

| | |
|---|--|
| Mounting type | Mounting rail TS 35/7.5 and mounting surface |
| Short-circuit current resistance IPK (peak value) | 30 kA |
| Short-circuit current resistance ICW over 1 s | 11 kA |
| SCCR rating | 100 |
| Req. Series fuse class J | 125 A |

Environmental Product Compliance

| | |
|--------------------------------|------------|
| REACH Conform | No |
| REACH Reference date | 2023-01-17 |
| REACH Candidate Substance Note | No |
| REACH CAS 1 Substance | LEAD |
| REACH CAS 1 Percent minimal | 0.1 % |
| REACH CAS 1 Percent maximum | 4 % |
| REACH CAS 1 Number | 7439-92-1 |
| RoHS Conform | yes |
| RoHS Exception rule | 6c |

Approvals

Standards and regulations

| | |
|----------------------|----------------|
| EAC approval | TR ZU 004/2011 |
| EAC approval granted | yes |

cUL Recognized

| | |
|--|--------------|
| cUL approval | C22.2 No 158 |
| cUL Usegroup B: rated voltage | 600 V |
| cUL Usegroup B: rated current | 175 A |
| cUL Usegroup C: rated voltage | 600 V |
| cUL Usegroup C: rated current | 175 A |
| cUL input: wire cross-section AWG, min. | 8 |
| cUL input: wire cross-section AWG, max. | 2/0 |
| cUL output: wire cross-section AWG, min. | 14 |
| cUL output: wire cross-section AWG, max. | 4 |
| cUL torque input | 4 Nm |
| cUL torque output | 2 Nm |
| cUL wire material | Cu |
| cUL Recognized | 1 |

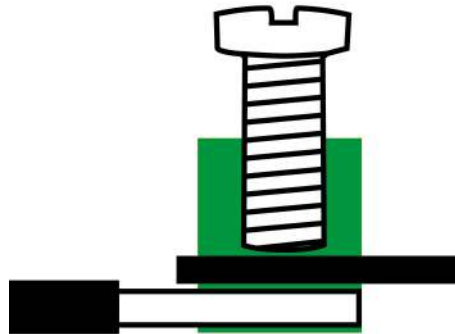
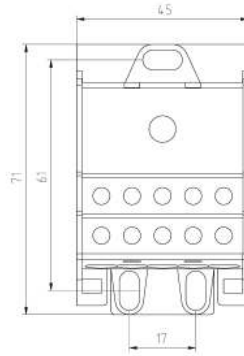
UL Recognized

| | |
|---|-------------|
| UL approval | UL 1059 |
| UL Usegroup B: rated voltage | 600 V |
| UL Usegroup B: rated current | 175 A |
| UL Usegroup C: rated voltage | 600 V |
| UL Usegroup C: rated current | 175 A |
| UL input: wire cross-section AWG, min. | 8 |
| UL input: wire cross-section AWG, max. | 2/0 |
| UL output: wire cross-section AWG, min. | 14 |
| UL output: wire cross-section AWG, max. | 4 |
| UL torque input | 35.5 Lb In. |
| UL torque output | 17.5 Lb In. |
| UL wire material | Cu |
| UL factory wiring | 1 |
| UL field wiring | 1 |
| UL Recognized | 1 |

Data sheet

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Media



Accessories

End stop



End stop, Mounting type: Mounting rail TS 35/7.5, Width: 9.5 mm, Colour: Beige

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|---------------|---------------|----------------|
| <u>2828.0</u> | ES 35/K/ST BG | 4044211055547 | 50 |
