



Screw-distributor block, Screw connection, Mounting type: Mounting rail TS 35/7.5 and mounting surface, Rated cross-section of input: 70 mm<sup>2</sup>, Rated cross-section of output: 16 mm<sup>2</sup>, Colour: Light grey

RAL: 9018

### Business data

Article number	1745.0
Article name	SVB 175/3 LG
GTIN (EAN)	4044211143527
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	379.4 g
Weight per piece (including packaging)	403 g
Unit of weight	G
Customs number	85369010
Country of origin	FR
Product description	Screw-type distribution block
Colour	Light grey

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### Technical data

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#### Dimensions

Length	71 mm
Width	80 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	160 A
Input: rated cross section	70 mm <sup>2</sup>
Output: rated cross section	16 mm <sup>2</sup>
Rated impulse voltage	2,5 kV
Overvoltage category	III
Contamination degree	3

### Technical data

#### Connection data

Connection principle	Screw connection
Connections	3 x 7
Number of inputs	3 x 1
Number of outputs	3 x 6
Input: wire cross-section rigid, min.	16 mm <sup>2</sup>
Input: wire cross-section rigid, max.	70 mm <sup>2</sup>
Input: wire cross-section stranded, min.	16 mm <sup>2</sup>
Input: wire cross-section stranded, max.	50 mm <sup>2</sup>
Input: wire cross-section stranded, with wire-endferrules, min.	16 mm <sup>2</sup>
Input: wire cross-section stranded, with wire-endferrules, max.	50 mm <sup>2</sup>
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 <sup>2</sup>
Output: wire cross-section rigid, max.	16 mm <sup>2</sup>
Output: wire cross-section stranded, min.	2.5 mm <sup>2</sup>
Output: wire cross-section stranded, max.	10 mm <sup>2</sup>
Output: wire cross-section stranded, with wire-end ferrules, min.	2.5 mm <sup>2</sup>
Output: wire cross-section stranded, with wire-end ferrules, max.	10 mm <sup>2</sup>
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	175 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
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EAC approval granted	yes
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#### cUL Recognized

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

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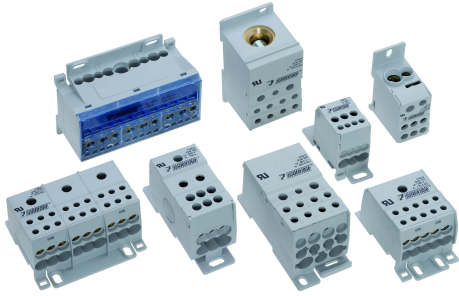
UL field wiring	1
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UL Recognized	1
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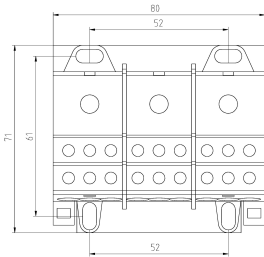
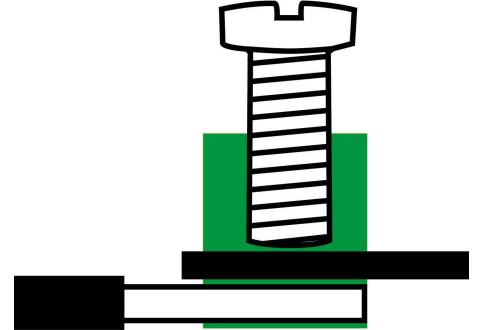
# Data sheet

## 1745.0 SVB 175/3 LG

### Media



EAC



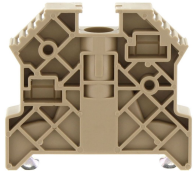
CE<sup>®</sup> US

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### Accessories

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#### 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

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#### Allen key socket wrench



Inner hex key with bare blade

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2773.0</u>	ISKS 8	4044211055035	1 ST

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