Data sheet

1746.0 SVB 160 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	1746.0
Article name	SVB 160 LG
GTIN (EAN)	4044211143534
Colour	Light grey
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	243.8 g
Weight per piece (including packaging)	254.4 g
Unit of weight	G
Customs number	85369010
Country of origin	FR
Product description	Screw-type distribution block

Data sheet

1746.0 SVB 160 LG

Technical data

Dimensions

Length	92 mm
Width	35 mm
Height	50 mm
Height TS 35/7.5	54 mm

Ratings

Rated voltage AC	1000 V
Rated voltage DC	1500 V
Rated current Cu	175 A
Input: rated cross section	70 mm²
Output: rated cross section	16 mm²
Rated impulse voltage	2,5 kV
Overvoltage category	III
Contamination degree	3

Data sheet

1746.0 SVB 160 LG

Technical data

Connection data

Connection principle	Screw connection
Connections	7
Number of inputs	1
Number of outputs	6
Special connection	Busbar 16 x 5 mm
Input: wire cross-section rigid, min.	10 mm²
Input: wire cross-section rigid, max.	70 mm²
Input: wire cross-section stranded, min.	10 mm²
Input: wire cross-section stranded, max.	70 mm²
Input: wire cross-section stranded, with wire-endferrules, min.	10 mm²
Input: wire cross-section stranded, with wire-endferrules, max.	70 mm²
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	13 mm
Input: stripping length	18 mm
Input: screw head	Inner hex (Allen)
Input: screw threading	M 10
Input: torque, min.	5 Nm
Input: torque, max.	6 Nm
Output: wire cross-section rigid, min.	2.5 mm²
Output: wire cross-section rigid, max.	16 mm²
Output: wire cross-section stranded, min.	2.5 mm²
Output: wire cross-section stranded, max.	16 mm²
Output: wire cross-section stranded, with wire-end ferrules, min.	2.5 mm²
Output: wire cross-section stranded, with wire-end ferrules, max.	16 mm²
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	7 mm

Data sheet

1746.0 SVB 160 LG

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	2022-06-10
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	160 A
cUL Usegroup C: rated voltage	600 V
cUL Usegroup C: rated current	160 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

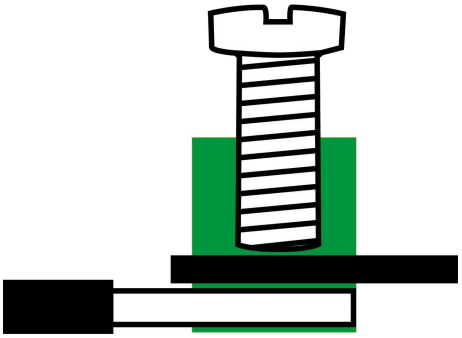
UL Recognized

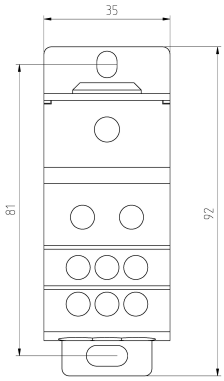
UL approval	UL 1059
UL Usegroup B: rated voltage	600 V
UL Usegroup B: rated current	160 A
UL Usegroup C: rated voltage	600 V
UL Usegroup C: rated current	160 A
UL input: wire cross-section AWG, min.	8
UL input: wire cross-section AWG, max.	2/0
UL output: wire cross-section AWG, min.	14
UL output: wire 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
1746.0 SVB 160 LG

Media







Data sheet

1746.0 SVB 160 LG

Accessories

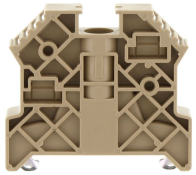
Cover



Wire-end ferrules, Max. wire cross-section: 1.5 on roll mm², Length: 14 mm, Length of copper pipe: 8 mm, Colour: Black

Article number	Article name	GTIN (EAN)	Packaging unit
2882.0	H 1,5/14 D-B Rolle BK (5.000 St.)	4044211056070	1 ST

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
2828.0	ES 35/K/ST BG	4044211055547	50

Allen key socket wrench



Inner hex key with bare blade

Article number	Article name	GTIN (EAN)	Packaging unit
2818.0	ISKS 5	4044211055448	1 ST