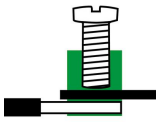
SVB 175 LG

1742.0

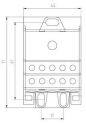












Screw-distributor block, Screw connection, Mounting type:Mounting rail TS 35/7.5 and mounting surface, Rated cross-section of input: 70 mm², Rated cross-section of output: 16 mm², Colour: Light grey

Commercial

General

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

Technical

Dimensions

Height: 43mm

Height TS 35/7.5: 46mm

Length: 71mm

Width: 45mm

Ratings

Contamination degree: 3

Input: rated cross section: 70mm²

Maximum power dissipation for nominal condition: 5.6W

Output: rated cross section: 16mm²

Overvoltage category: III

Rated current Cu: 175A

Rated impulse voltage: 2,5kV

Rated voltage AC: 1000V

Rated voltage DC: 1500V

Connection data

Connection principle: Screw connection

Connections: 11

Input: diameter: 12mm

Input: screw head: Inner hex (Allen)

Input: screw threading: M 10

Input: stripping length: 16mm

Input: torque, max.: 10Nm

Input: torque, min.: 6Nm

Input: wire cross-section rigid AWG, max.: 2/0

Input: wire cross-section rigid AWG, min.: 8

Input: wire cross-section rigid, max.: 70mm²

Input: wire cross-section rigid, min.: 16mm²

Input: wire cross-section stranded AWG, max.: 2/0

Input: wire cross-section stranded AWG, min.: 8

Input: wire cross-section stranded, max.: 70mm²

Input: wire cross-section stranded, min.: 16mm²

Input: wire cross-section stranded, with wire-end ferrules AWG, max.: 2/0

Input: wire cross-section stranded, with wire-end ferrules AWG, min.: 8

Input: wire cross-section stranded, with wire-end ferrules, max.: 70mm²

Input: wire cross-section stranded, with wire-end ferrules, min.: 16mm²

Number of inputs: 1

Output: diameter: 6.5mm

Output: screw head: Inner hex (Allen)

Output: screw threading: M 6

Output: stripping length: 12mm

Output: torque, max.: 4Nm

Output: torque, min.: 3Nm

Output: wire cross-section rigid AWG, max.: 4

Output: wire cross-section rigid AWG, min.: 14

Output: wire cross-section rigid, max.: 16mm²

Output: wire cross-section rigid, min.: 2.5mm²

Output: wire cross-section stranded AWG, max.: 4

Output: wire cross-section stranded AWG, min.: 14

Output: wire cross-section stranded, max.: 16mm²

Output: wire cross-section stranded, min.: 2.5mm²

Output: wire cross-section stranded, with wire-end ferrules AWG, max.: 4

Output: wire cross-section stranded, with wire-end ferrules AWG, min.: 14

Output: wire cross-section stranded, with wire-end ferrules, max.: 16mm²

Output: wire cross-section stranded, with wire-end ferrules, min.: 2.5mm²

Further technical data

Mounting type: Mounting rail TS 35/7.5 and mounting surface

Req. Series fuse class J: 125A

SCCR rating: 100

Short-circuit current resistance ICW over 1 s: 11kA

Short-circuit current resistance IPK (peak value): 30kA

Output data

Number of outputs: 10

Materials

Flammability class UL 94: V-0

Insulation housing: Polyamide 6.6

Working temperature, max.: 120°C

Working temperature, min.: -40°C

Approvals

Standards and regulations

EAC approval: TR ZU 004/2011

EAC approval granted: ✓

cUL Recognized

: E95701

cUL Recognized: 1

cUL Usegroup B: rated current: 175A

cUL Usegroup B: rated voltage: 600V

cUL Usegroup C: rated current: 175A

cUL Usegroup C: rated voltage: 600V

cUL approval: C22.2 No 158

cUL input: wire cross-section AWG, max.: 2/0

cUL input: wire cross-section AWG, min.: 8

cUL output: wire cross-section AWG, max.: 4

cUL output: wire cross-section AWG, min.: 14

cUL torque input: 4Nm

cUL torque output: 2Nm

cUL wire material: Cu

UL Recognized

UL File Number: E95701

UL Recognized: 1

UL Usegroup B: rated current: 175A

UL Usegroup B: rated current Cu: 175A

UL Usegroup B: rated voltage: 600V

UL Usegroup C: rated current: 175A

UL Usegroup C: rated current Cu: 175A

UL Usegroup C: rated voltage: 600V

UL approval: UL 1059

UL factory wiring: ✓

UL field wiring: ✓

UL input: wire cross-section AWG, max.: 2/0

UL input: wire cross-section AWG, min.: 8

UL output: wire cross-section AWG, max.: 4

UL output: wire cross-section AWG, min.: 14

UL torque input: 35.5Lb In.

UL torque output: 17.5Lb In.

UL wire material: Cu

Environment

Environmental Product Compliance

EU-POP Conform: Yes

PROP 65 CAS 1 Percent maximum: 4%

PROP 65 CAS 1 Percent minimum: 0.1%

PROP 65 CAS 1 Substance: LEAD

PROP 65 Conform: No

REACH CAS 1 Number: 7439-92-1

REACH CAS 1 Percent maximum: 4%

REACH CAS 1 Percent minimal: 0.1%

REACH CAS 1 Substance: BLEI

REACH Candidate Substance Note: No

REACH Conform: No

REACH Reference date: 2026-02-04

RoHS Conform: Yes

RoHS Exception rule: 6c

SCIP: AC2C8FB3-6874-4A64-A29F-58BA0E2C6E64

TSCA Conform: Yes

Accessories

End stop



ES 35/K/ST BG

2828.0