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DISTRIBUTION BLOCKS CU SVB

SVB

1744.0
SVB 400, Distribution block 400A



- High short-circuit resistance rating
- IP20-class protection
- 1000VAC / 1500VDC rated
- TS 35 din rail or direct mounting
- Housing made from polyamide 6.6 UL 94-V0

PRODUCT DESCRIPTION

The SVB screw-type distributor block makes it possible to distribute potential and power in a compact space without any additional accessories. You can use the distributor block to establish an electromechanical connection between a wire with a large cross-section and one or more wires with small cross-sections. They can be used in installation and distribution board construction and also in controller construction for machinery.

The SVB blocks are mounted by snapping them on to TS 35 DIN rails. They can also be attached directly to a mounting plate using the screw flange located on the side of the housing.

TECHNICAL DATA

GENERAL DATA

Rated current copper	400 A
Rated voltage V AC	1000 V AC
Rated voltage V DC	1500 V DC
Mounting	TS 35 and direct mount
Approvals	UL, EAC
Overvoltage category	III
Rated impulse voltage	2.5 kV
Contamination degree	3
Colour	Light grey
Short-circuit current resistance IPK (peak value)	51 kA
Short-circuit current resistance ICW over 1s	21 kA

CONNECTION DATA

Connections	12
Number of inputs A	1

Input A: rated cross-section	185 mm²
Input A: diameter	19 mm
Input A: wire cross-section rigid, min.	95 mm²
Input A: wire cross-section rigid, max.	185 mm²
Input A: wire cross-section stranded, min.	95 mm²
Input A: wire cross-section stranded, max.	150 mm²
Input A: wire cross-section with wire-end ferrules, min.	95 mm²
Input A: wire cross-section with wire-end ferrules, max.	150 mm²
Input A: stripping length	29 mm
Input A: screw thread	M 16
Input A: screw head	Allen key
Input A: torque, min.	25
Input A: torque, max.	27
Number of outputs A	2
Output A: rated cross-section	35 mm²
Output A: diameter	9 mm
Output A: wire cross-section rigid, min.	6 mm²
Output A: wire cross-section rigid, max.	35 mm²
Output A: wire cross-section stranded, min.	6 mm²
Output A: wire cross-section stranded, max.	25 mm²
Output A: wire cross-section stranded with wire-end ferrules, min.	6 mm²
Output A: wire cross-section stranded with wire-end ferrules, max.	25 mm²
Output A: stripping length	12 mm
Output A: screw thread	M 8
Output A: screw head	Slotted
Output A: torque, min.	3.5
Output A: torque, max.	7
Number of outputs B	5
Output B: rated cross-section	16 mm²
Output B: diameter	6.5 mm
Output B: wire cross-section rigid, min.	1.5 mm²

Output B: wire cross-section rigid, max.	16 mm²
Output B: wire cross-section stranded, min.	1.5 mm²
3139_Output B: wire cross-section stranded, max. (mm²)	16
Output B: wire cross-section stranded with wire-end ferrules, min.	1.5 mm²
Output B: wire cross-section stranded with wire-end ferrules, max.	16 mm²
Output B: stripping length	12 mm
Output B: screw threading	M 6
Output B: screw head	Slotted
Output B: torque, min.	2
Output B: torque, max.	3
Number of outputs C	4
Output C: rated cross-section	10 mm²
Output C: diameter	6 mm
Output C: wire cross-section rigid, min.	1.5 mm²
Output C: wire cross-section rigid, max.	10 mm²
Output C: wire cross-section stranded, min.	1.5 mm²
Output C: wire cross-section stranded, max.	10 mm²
Output C: wire cross-section stranded with wire-end ferrules, min.	1.5 mm²
Output C: wire cross-section stranded with wire-end ferrules, max.	10 mm²
Output C: stripping length	12 mm
Output C: screw thread	M 6
Output C: screw head	Slotted
Output C: torque, min.	2
Output C: torque, max.	3

DIMENSIONS

Length	96 mm
Height	50 mm
Height TS 35/7.5	53 mm
Width	44 mm

MATERIALS

Insulation material	Polyamide 6.6
Flammability class	UL94-V0
Operating temperature to	120 °C
Operating temperature from	-40 °C

APPROVALS

UL overvoltage protection - req. Series fuse class J	350 A
UL test standard	UL 1059
UL SCCR rating	100 kA
EAC test standard	TR ZU 004/2011
Req. series fuse class J	350 A
SCCR rating	100 kV
Rated voltage UL	600 V
Rated current UL	310 A

ADDITIONAL DATA

Tariff code	85369010
Country of origin	FR
Weight	405 g
Pack size	1