

DISTRIBUTION BLOCKS CU SVB

SVB

1747.0
SVB 125/4, 3-Phase distribution block 125A

- 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	160 A
Rated voltage V AC	690 V AC
Rated voltage V DC	690 V DC
Mounting	TS 35 and direct mount
Overvoltage category	III
Rated impulse voltage	2,5 kV
Contamination degree	3
Colour	Light grey
Short-circuit current resistance IPK (peak value)	30 kA
Short-circuit current resistance ICW over 1s	11,8 kA

CONNECTION DATA

Connections	3 x 8
Number of inputs A	3 x 1
Input A: rated cross-section	35 mm ²

Input A: diameter	9 mm
Input A: wire cross-section rigid, min.	6 mm ²
Input A: wire cross-section rigid, max.	35 mm ²
Input A: wire cross-section stranded, min.	6 mm ²
Input A: wire cross-section stranded, max.	25 mm ²
Input A: wire cross-section with wire-end ferrules, min.	6 mm ²
Input A: wire cross-section with wire-end ferrules, max.	25 mm ²
Input A: stripping length	18 mm
Input A: screw thread	M 5
Input A: screw head	Slotted / Phillips
Input A: torque, min.	1,5 Nm
Input A: torque, max.	3 Nm
Number of inputs B	3 x 5
Input B: rated cross-section	6 mm ²
Input B: diameter	5 mm
Input B: wire cross-section rigid, min.	1,5 mm ²
Input B: wire cross-section rigid, max.	6 mm ²
Input B: wire cross-section stranded, min.	1,5 mm ²
Input B: wire cross-section stranded, max.	6 mm ²
Input B: wire cross-section, stranded with wire-end ferrules, min.	1,5 mm ²
Input B: wire cross-section stranded with wire-end ferrules, max.	6 mm ²
Input B: stripping length	12 mm
Input B: screw thread	M 4
Input B: screw head	Slotted / Phillips
Input B: torque, min.	0,8 Nm
Input B: torque, max.	1,5 Nm
Number of inputs C	3 x 2
Input C: rated cross-section	16 mm ²
Input C: diameter	7 mm
Input C: wire cross-section rigid, min.	4 mm ²
Input C: wire cross-section rigid, max.	16 mm ²
Input C: wire cross-section stranded, min.	4 mm ²

Input C: wire cross-section stranded, max.	10 mm ²
Input C: wire cross-section, stranded with wire-end ferrules, min.	4 mm ²
Input C: wire cross-section, stranded with wire-end ferrules, max.	10 mm ²
Input C: stripping length	18 mm
Input C: screw threading	M 5
Input C: screw head	Slotted / Phillips
Input C: torque, min.	1,5 Nm
Input C: torque, max.	3 Nm
Number of outputs A	1
Output A: rated cross-section	35 mm ²
Output A: diameter	9 mm
Output A: wire cross-section rigid, min.	6 mm ²
Output A: wire cross-section rigid, max.	35 mm ²
Output A: wire cross-section stranded, min.	6 mm ²
Output A: wire cross-section stranded, max.	25 mm ²
Output A: wire cross-section stranded with wire-end ferrules, min.	6 mm ²
Output A: wire cross-section stranded with wire-end ferrules, max.	25 mm ²
Output A: stripping length	18 mm
Output A: screw thread	M 5
Output A: screw head	Slotted / Phillips
Output A: torque, min.	1,5 Nm
Output A: torque, max.	3 Nm
Number of outputs B	4
Output B: rated cross-section	6 mm ²
Output B: diameter	5 mm
Output B: wire cross-section rigid, min.	1,5 mm ²
Output B: wire cross-section rigid, max.	6 mm ²
Output B: wire cross-section stranded, min.	1,5 mm ²
Output B: wire cross-section stranded, max.	6 mm ²
Output B: wire cross-section stranded with wire-end ferrules, min.	1,5 mm ²
Output B: wire cross-section stranded with wire-end ferrules, max.	6 mm ²

Output B: stripping length	12 mm
Output B: screw threading	M 4
Output B: screw head	Slotted / Phillips
Output B: torque, min.	0,8 Nm
Output B: torque, max.	1,5 Nm
Number of outputs C	6
Output C: rated cross-section	16 mm ²
Output C: diameter	7 mm
Output C: wire cross-section rigid, min.	4 mm ²
Output C: wire cross-section rigid, max.	16 mm ²
Output C: wire cross-section stranded, min.	4 mm ²
Output C: wire cross-section stranded, max.	10 mm ²
Output C: wire cross-section stranded with wire-end ferrules, min.	4 mm ²
Output C: wire cross-section stranded with wire-end ferrules, max.	10 mm ²
Output C: stripping length	18 mm
Output C: screw thread	M 5
Output C: screw head	Slotted / Phillips
Output C: torque, min.	1,5 Nm
Output C: torque, max.	3 Nm
Special connections	Neutral conductor busbar

DIMENSIONS

Length	74 mm
Height	50 mm
Height TS 35/7.5	53 mm
Width	98 mm

MATERIALS

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

ADDITIONAL DATA

Tariff code	85369010
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Country of origin	EEC
Weight	315,4 g
Pack size	1