

## DISTRIBUTION BLOCKS CU SVB

SVB

1743.0

SVB 250, Distribution block 250A

- 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

<b>Rated current copper</b>	230 A
<b>Rated voltage V AC</b>	1000 V AC
<b>Rated voltage V DC</b>	1500 V DC
<b>Mounting</b>	TS 35 and direct mount
<b>Approvals</b>	UL, EAC
<b>Overvoltage category</b>	III
<b>Rated impulse voltage</b>	2.5 kV
<b>Contamination degree</b>	3
<b>Colour</b>	Light grey
<b>Short-circuit current resistance IPK (peak value)</b>	51 kA
<b>Short-circuit current resistance ICW over 1s</b>	24.5 kA

#### CONNECTION DATA

<b>Connections</b>	12
<b>Number of inputs A</b>	1

<b>Input A: rated cross-section</b>	120 mm <sup>2</sup>
<b>Input A: diameter</b>	15 mm
<b>Input A: wire cross-section rigid, min.</b>	35 mm <sup>2</sup>
<b>Input A: wire cross-section rigid, max.</b>	120 mm <sup>2</sup>
<b>Input A: wire cross-section stranded, min.</b>	35 mm <sup>2</sup>
<b>Input A: wire cross-section stranded, max.</b>	95 mm <sup>2</sup>
<b>Input A: wire cross-section with wire-end ferrules, min.</b>	35 mm <sup>2</sup>
<b>Input A: wire cross-section with wire-end ferrules, max.</b>	95 mm <sup>2</sup>
<b>Input A: stripping length</b>	29 mm
<b>Input A: screw thread</b>	M 14
<b>Input A: screw head</b>	Allen key
<b>Input A: torque, min.</b>	19
<b>Input A: torque, max.</b>	21
<b>Number of outputs A</b>	2
<b>Output A: rated cross-section</b>	35 mm <sup>2</sup>
<b>Output A: diameter</b>	9 mm
<b>Output A: wire cross-section rigid, min.</b>	6 mm <sup>2</sup>
<b>Output A: wire cross-section rigid, max.</b>	35 mm <sup>2</sup>
<b>Output A: wire cross-section stranded, min.</b>	6 mm <sup>2</sup>
<b>Output A: wire cross-section stranded, max.</b>	25 mm <sup>2</sup>
<b>Output A: wire cross-section stranded with wire-end ferrules, min.</b>	6 mm <sup>2</sup>
<b>Output A: wire cross-section stranded with wire-end ferrules, max.</b>	25 mm <sup>2</sup>
<b>Output A: stripping length</b>	12 mm
<b>Output A: screw thread</b>	M 8
<b>Output A: screw head</b>	Slotted
<b>Output A: torque, min.</b>	3.5
<b>Output A: torque, max.</b>	7
<b>Number of outputs B</b>	5
<b>Output B: rated cross-section</b>	16 mm <sup>2</sup>
<b>Output B: diameter</b>	6.5 mm
<b>Output B: wire cross-section rigid, min.</b>	1.5 mm <sup>2</sup>
<b>Output B: wire cross-section rigid, max.</b>	16 mm <sup>2</sup>

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

## DIMENSIONS

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

## MATERIALS

<b>Insulation material</b>	Polyamide 6.6
<b>Flammability class</b>	UL94-V0

<b>Operating temperature to</b>	120 °C
<b>Operating temperature from</b>	-40 °C

## APPROVALS

<b>UL overvoltage protection - req. Series fuse class J</b>	250 A
<b>UL test standard</b>	UL 1059
<b>UL SCCR rating</b>	100 kA
<b>EAC test standard</b>	TR ZU 004/2011
<b>Req. series fuse class J</b>	250 A
<b>SCCR rating</b>	100 kV
<b>Rated voltage UL</b>	600 V
<b>Rated current UL</b>	230 A

## ADDITIONAL DATA

<b>Tariff code</b>	85369010
<b>Country of origin</b>	FR
<b>Weight</b>	435.2 g
<b>Pack size</b>	1