

## DISTRIBUTION BLOCKS CU - SVB

### SVB

1740.0  
SVB 80 LG



- 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.

## SPECIFICATIONS

3139_Output B: wire cross-section stranded, max. (mm <sup>2</sup> )	6
Approvals	UL, cUL, EAC
Color	Light Grey
Connections	7
Contamination degree	3
Country of origin	FR
cUL test standard	C22.2 No 158
EAC test standard	TR ZU 004/2011
Flamklass	UL94-V0
Height	47 mm
Height TS 35/7.5	50 mm
Input A: diameter	7 mm
Input A: rated cross-section	16 mm <sup>2</sup>
Input A: screw head	Slotted / Phillips
Input A: screw thread	M 5

<b>Input A: stripping length</b>	12 mm
<b>Input A: torque, max.</b>	3
<b>Input A: torque, min.</b>	1.5
<b>Input A: wire cross-section rigid, max.</b>	16 mm <sup>2</sup>
<b>Input A: wire cross-section rigid, min.</b>	2.5 mm <sup>2</sup>
<b>Input A: wire cross-section stranded, max.</b>	16 mm <sup>2</sup>
<b>Input A: wire cross-section stranded, min.</b>	2.5 mm <sup>2</sup>
<b>Input A: wire cross-section with wire-end ferrules, max.</b>	16 mm <sup>2</sup>
<b>Input A: wire cross-section with wire-end ferrules, min.</b>	2.5 mm <sup>2</sup>
<b>Insulation Material</b>	Polyamide 6.6
<b>Length</b>	66 mm
<b>Mounting</b>	TS 35/7,5 and direct mount
<b>Number of inputs A</b>	1
<b>Number of outputs A</b>	2
<b>Number of outputs B</b>	4
<b>Operating temperature from</b>	-40 °C
<b>Operating temperature to</b>	120 °C
<b>Operating voltage</b>	1000 V AC
<b>Output A: diameter</b>	7 mm
<b>Output A: rated cross-section</b>	16 mm <sup>2</sup>
<b>Output A: screw head</b>	Slotted / Phillips
<b>Output A: screw thread</b>	M 5
<b>Output A: stripping length</b>	12 mm
<b>Output A: torque, max.</b>	3
<b>Output A: torque, min.</b>	1.5
<b>Output A: wire cross-section rigid, max.</b>	16 mm <sup>2</sup>
<b>Output A: wire cross-section rigid, min.</b>	2.5 mm <sup>2</sup>
<b>Output A: wire cross-section stranded with wire-end ferrules, max.</b>	16 mm <sup>2</sup>
<b>Output A: wire cross-section stranded with wire-end ferrules, min.</b>	2.5 mm <sup>2</sup>
<b>Output A: wire cross-section stranded, max.</b>	16 mm <sup>2</sup>
<b>Output A: wire cross-section stranded, min.</b>	2.5 mm <sup>2</sup>
<b>Output B: diameter</b>	4.5 mm

<b>Output B: rated cross-section</b>	6 mm <sup>2</sup>
<b>Output B: screw head</b>	Slotted / Phillips
<b>Output B: screw threading</b>	M 4
<b>Output B: stripping length</b>	12 mm
<b>Output B: torque, max.</b>	1.5
<b>Output B: torque, min.</b>	0.8
<b>Output B: wire cross-section rigid, max.</b>	6 mm <sup>2</sup>
<b>Output B: wire cross-section rigid, min.</b>	2.5 mm <sup>2</sup>
<b>Output B: wire cross-section stranded with wire-end ferrules, max.</b>	6 mm <sup>2</sup>
<b>Output B: wire cross-section stranded with wire-end ferrules, min.</b>	2.5 mm <sup>2</sup>
<b>Output B: wire cross-section stranded, min.</b>	2.5 mm <sup>2</sup>
<b>Overvoltage category</b>	III
<b>Pack Size</b>	1
<b>Rated current copper</b>	80 A
<b>Rated current cUL</b>	80 A
<b>Rated Current To UL</b>	80 A
<b>Rated impulse voltage</b>	2.5 kV
<b>Rated voltage</b>	1500 V DC
<b>Rated voltage cUL</b>	600 V
<b>Rated Voltage To UL</b>	600 V
<b>Req. Series fuse class J</b>	80 A
<b>SCCR rating</b>	100 kV
<b>Short-circuit current resistance ICW over 1s</b>	1.9 kA
<b>Short-circuit current resistance IPK (peak value)</b>	2.7 kA
<b>Tariff code</b>	85369010
<b>UL overvoltage protection - req. Series fuse class J</b>	80 A
<b>UL SCCR rating</b>	100 kA
<b>UL test standard</b>	UL 1059
<b>Weight</b>	61.4 g
<b>Width</b>	27 mm