

## DISTRIBUTION BLOCKS AU/CU - SVBA

### SVBA

27202.0

SVBA 175A, Distribution block 175A for Cu/Al cables

- IP20 protection (SVBA 1100A: IP10)
- Foot base can be snapped on TS 35 DIN rail or suitable for direct mounting
- Built-in adjustable phase marking (not for SVBA 1100A)
- Interchangeable markings for N, PE, DC + etc. (not for SVBA 1100A)
- Suitable for copper and aluminum conductors



### PRODUCT DESCRIPTION

The SVBA screw-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 SVBA 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. The individual blocks can be simply clicked together using a plastic connecting clip.

The SVBA blocks are suitable for aluminum and copper cables from 1.5 to 500 mm<sup>2</sup>. They can be easily encoded using the exchangeable colour-coded marking plates for the N, PE, phases (plates are included in delivery). In addition, the built-in adjustable phase tag makes it easy to display which phase is applied to the block.

## TECHNICAL DATA

### GENERAL DATA

Rated current copper	175 A
Rated current aluminium	135 A
Rated voltage V AC	1000 V AC
Rated voltage V DC	1500 V DC
Mounting	TS 35 and direct mount
Approvals	UL
Overvoltage category	III
Contamination degree	3
Colour	Dark grey

IP class	IP20
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## CONNECTION DATA

Connections	5
Number of inputs A	1
Input A: rated cross-section	70 mm <sup>2</sup>
Input A: diameter	12,5 mm
Input A: wire cross-section rigid, min.	2,5 mm <sup>2</sup>
Input A: wire cross-section rigid, max.	70 mm <sup>2</sup>
Input A: wire cross-section stranded, min.	2,5 mm <sup>2</sup>
Input A: wire cross-section stranded, max.	50 mm <sup>2</sup>
Input A: wire cross-section with wire-end ferrules, min.	2,5 mm <sup>2</sup>
Input A: wire cross-section with wire-end ferrules, max.	50 mm <sup>2</sup>
Input A: stripping length	20 mm
Input A: screw head	Allen key
Input A: torque, max.	4 Nm
Number of outputs A	4
Output A: rated cross-section	35 mm <sup>2</sup>
Output A: diameter	8,5 mm
Output A: wire cross-section rigid, min.	2,5 mm <sup>2</sup>
Output A: wire cross-section rigid, max.	35 mm <sup>2</sup>
Output A: wire cross-section stranded, min.	2,5 mm <sup>2</sup>
Output A: wire cross-section stranded, max.	25 mm <sup>2</sup>
Output A: wire cross-section stranded with wire-end ferrules, min.	2,5 mm <sup>2</sup>
Output A: wire cross-section stranded with wire-end ferrules, max.	25 mm <sup>2</sup>
Output A: stripping length	20 mm
Output A: screw head	Allen key
Output A: torque, max.	3,5 Nm

## DIMENSIONS

Length	99 mm
Height	53 mm
Height TS 35/7.5	56 mm

Width	36 mm
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**MATERIALS**

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

**APPROVALS**

UL test standard	UL 1953
SCCR rating	10 kV
Rated voltage UL	1000 V

**ADDITIONAL DATA**

Tariff code	85369010
Country of origin	EEC
Weight	153 g
Pack size	1