

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 mm². 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 |

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|----------|------|
| IP class | IP20 |
|----------|------|

CONNECTION DATA

| | |
|--|---------------------|
| Connections | 5 |
| Number of inputs A | 1 |
| Input A: rated cross-section | 70 mm ² |
| Input A: diameter | 12.5 mm |
| Input A: wire cross-section rigid, min. | 2.5 mm ² |
| Input A: wire cross-section rigid, max. | 70 mm ² |
| Input A: wire cross-section stranded, min. | 2.5 mm ² |
| Input A: wire cross-section stranded, max. | 50 mm ² |
| Input A: wire cross-section with wire-end ferrules, min. | 2.5 mm ² |
| Input A: wire cross-section with wire-end ferrules, max. | 50 mm ² |
| Input A: stripping length | 20 mm |
| Input A: screw head | Allen key |
| Input A: torque, max. | 4 |
| Number of outputs A | 4 |
| Output A: rated cross-section | 35 mm ² |
| Output A: diameter | 8.5 mm |
| Output A: wire cross-section rigid, min. | 2.5 mm ² |
| Output A: wire cross-section rigid, max. | 35 mm ² |
| Output A: wire cross-section stranded, min. | 2.5 mm ² |
| Output A: wire cross-section stranded, max. | 25 mm ² |
| Output A: wire cross-section stranded with wire-end ferrules, min. | 2.5 mm ² |
| Output A: wire cross-section stranded with wire-end ferrules, max. | 25 mm ² |
| Output A: stripping length | 20 mm |
| Output A: screw head | Allen key |
| Output A: torque, max. | 3.5 |

DIMENSIONS

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

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|-------|-------|
| Width | 36 mm |
|-------|-------|

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 |