OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

DISTRIBUTION BLOCKS CU SVB

SVB

1740.5
SVB 80, Blue Distribution block 80A



- 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	80 A
Rated voltage V AC	1000 V AC
Rated voltage V DC	1000 V DC
Mounting	TS 35 and direct mount
Approvals	UL, cUL, EAC
Overvoltage category	III
Rated impulse voltage	2.5 kV
Contamination degree	3
Colour	Blue
Short-circuit current resistance IPK (peak value)	2.7 kA
Short-circuit current resistance ICW over 1s	1.9 kA
Additional information	lid printed blue

CONNECTION DATA

Connections	7
Number of inputs A	1

Input A: rated cross-section	16 mm²
Input A: diameter	7 mm
Input A: wire cross-section rigid, min.	2.5 mm²
Input A: wire cross-section rigid, max.	16 mm²
Input A: wire cross-section stranded, min.	2.5 mm²
Input A: wire cross-section stranded, max.	16 mm²
Input A: wire cross-section with wire-end ferrules, min.	2.5 mm²
Input A: wire cross-section with wire-end ferrules, max.	16 mm²
Input A: stripping length	12 mm
Input A: screw thread	M 5
Input A: screw head	Slotted / Phillips
Input A: torque, min.	1.5
Input A: torque, max.	3
Number of outputs A	2
Output A: rated cross-section	16 mm²
Output A: diameter	7 mm
Output A: wire cross-section rigid, min.	2.5 mm²
Output A: wire cross-section rigid, max.	16 mm²
Output A: wire cross-section stranded, min.	2.5 mm²
Output A: wire cross-section stranded, max.	16 mm²
Output A: wire cross-section stranded with wire-end ferrules, min.	2.5 mm²
Output A: wire cross-section stranded with wire-end ferrules, max.	16 mm²
Output A: stripping length	12 mm
Output A: screw thread	M 5
Output A: screw head	Slotted / Phillips
Output A: torque, min.	1.5
Output A: torque, max.	3
Number of outputs B	4
Output B: rated cross-section	6 mm²
Output B: diameter	4.5 mm
Output B: wire cross-section rigid, min.	2.5 mm²
Output B: wire cross-section rigid, max.	6 mm²

Output B: wire cross-section stranded, min.	2.5 mm²
3139_Output B: wire cross-section stranded, max. (mm²)	6
Output B: wire cross-section stranded with wire-end ferrules, min.	2.5 mm²
Output B: wire cross-section stranded with wire-end ferrules, max.	6 mm²
Output B: stripping length	12 mm
Output B: screw threading	M 4
Output B: screw head	Slotted / Phillips
Output B: torque, min.	0.8
Output B: torque, max.	1.5

DIMENSIONS

Length	66 mm
Height	47 mm
Height TS 35/7.5	50 mm
Width	27 mm

MATERIALS

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

APPROVALS

UL overvoltage protection - req. Series fuse class J	80 A
UL test standard	UL 1059
cUL test standard	C22.2 No 158
UL SCCR rating	100 kA
EAC test standard	TR ZU 004/2011
Req. series fuse class J	80 A
Rated current cUL	80 A
Rated voltage cUL	600 V
SCCR rating	100 kV
Rated voltage UL	600 V
Rated current UL	80 A

ADDITIONAL DATA

Tariff code	85369010
Country of origin	FR
Weight	61.4 g
Pack size	1