

# SCREW-TYPE DISTRIBUTION BLOCKS



Our deas – Your advantages



# Screw-type distribution blocks

**Screw connection system**

- High short-circuit resistance rating
- IP20-class protection
- Simple handling
- Space-saving design
- Base can be snapped on to TS 35 mounting rail or direct assembly
- Modular design (single- or three-phase block)
- Suitable for copper wires
- Housing made from Polyamide 6.6 V0

**Dimensioned drawing**

The **SVB** screw-type distributor blocks make 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.

**Connection type**

Size (L x W x H) with attachment mm  
 Size (L x W x H) with TS 35 x 7.5 mm mm  
 Weight g

**Type**

**Type**

**Cat. no.**

Color versions

**Ratings**

Rated voltage V  
 Rated current A  
 Rated cross-section for input and output mm<sup>2</sup>  
 Rated cross-section for input and output AWG  
 Rated impulse voltage kV | Contamination degree  
 Flammability class UL 94

**Short-circuit resistance rating**

Short-circuit current resistance I<sub>pk</sub> (peak value) kA  
 Short-circuit current resistance IC<sub>W</sub> over 1 s kA  
 SCCR rating kV | Class | series fuse required A

**Connection data**

Inputs

Number of connections  
 Clampable wire: mm<sup>2</sup>  
 "e" single wire H07V-U  
 "m" stranded H07V-R  
 "f" flexible H07V-K  
 "f" flexible H07V-K and ferrule DIN 46 228/1  
 "f" flexible H07V-K and ferrule with plastic collar  
 Diameter mm  
 Torque Nm  
 Terminal screw  
 Blade size  
 Stripping length mm

Outputs

Number of connections  
 Clampable wire: mm<sup>2</sup>  
 "e" single wire H07V-U  
 "m" stranded H07V-R  
 "f" flexible H07V-K  
 "f" flexible H07V-K and ferrule DIN 46 228/1  
 "f" flexible H07V-K and ferrule with plastic collar  
 Diameter mm  
 Torque Nm  
 Terminal screw  
 Blade size  
 Stripping length mm

**Accessories**

End brackets ES  
**Cat. no.**  
 Color versions  
 Allen key socket wrench ISKS  
**Cat. no.**  
 Allen key socket wrench ISKS  
**Cat. no.**  
 Screwdriver SDK  
**Cat. no.**  
 Screwdriver SDK  
**Cat. no.**

**Additional accessories**

Additional accessories (such as labeling systems, test adapters, covers and end brackets) can be found in the Accessories section of the CONTA-CONNECT catalog or on the Internet under [www.conta-clip.com](http://www.conta-clip.com).

**SVB 80**



Current distributor block  
7 connections

**Screw connection techn.**

66 x 27 x 47  
 66 x 27 x 50  
 63

**QTY. P.PCK.**

SVB 80  
**1740.0** 1

IEC	UL	cUL
690	600	600
80	80	80
16   16 – 6		
8 – 4   14 – 4		
2,5   3		
V0		
2,7		
1,9		
100   80		

A	B	C
1		
2,5-16		
2,5-16		
2,5-16		
2,5-16		
2,5-16		
2,5-16		
7		
1,5 – 3		
M5		
PZ2		
10 – 12		

A	B	C
2	4	
2,5-16	2,5-6	
2,5-16	2,5-6	
2,5-16	2,5-6	
2,5-16	2,5-6	
2,5-16	2,5-6	
2,5-16	2,5-6	
7	4,5	
1,5-3	0,8-1,5	
M5	M4	
PZ2	PZ1	
10-12	9-12	

**QTY. P.PCK.**

ES 35/K/ST beige  
**2828.0** 50  
 Color versions  
 SDK 1,0 x 80  
**2289.0** 1  
 SDK 1,0 x 100  
**2290.0** 1

**SVB 125**



Current distributor block  
8 connections

**Screw connection techn.**

75 x 27 x 47  
 75 x 27 x 50  
 134

**QTY. P.PCK.**

SVB 125  
**1741.0** 1

IEC	UL	cUL
690	600	600
125	115	115
35 – 16   16		
8 – 2   14 – 4		
2,5   3		
V0		
30		
4,2		
100   125		

A	B	C
1	1	
10-35	2,5-16	
10-35	2,5-16	
10-35	2,5-16	
10-35	2,5-16	
10-35	2,5-16	
10-35	2,5-16	
10	7	
3,5-5	3,5-5	
M8	M6	
M4	M4	
14-16	12-15	

A	B	C
6		
2,5-16		
2,5-16		
2,5-16		
2,5-16		
2,5-16		
2,5-16		
6,5		
2-3		
M5		
PZ2		
10-12		

**QTY. P.PCK.**

ES 35/K/ST beige  
**2828.0** 50  
 Color versions  
 ISKS 5  
**2818.0** 1  
 SDK 1,0 x 100  
**2290.0** 1

**SVB 175**



Current distributor block  
12 connections

**Screw connection techn.**

71 x 45 x 43  
 71 x 45 x 46  
 228

**QTY. P.PCK.**

SVB 175  
**1742.0** 1

IEC	UL	cUL
690	600	600
175	115	175
70   16		
8 – 2   14 – 6		
2,5   3		
V0		
30		
11		
-		

A	B	C
1		
16-70		
16-70		
16-70		
16-50		
16-50		
16-50		
12		
6-10		
M10		
M5		
14-16		

A	B	C
10		
2,5-16		
2,5-16		
2,5-16		
2,5-10		
2,5-10		
2,5-10		
6,5		
3-4		
M6		
M3		
10-12		

**QTY. P.PCK.**

ES 35/K/ST beige  
**2828.0** 50  
 Color versions  
 ISKS 6  
**2772.0** 1  
 SDB 0,8 x 4,0  
**1087.0** 1  
 SDB 1,2 x 6,5  
**1088.0** 1

**SVB 250**



Current distributor block  
12 connections

**Screw connection techn.**

96 x 44 x 50  
 96 x 44 x 53  
 434

**QTY. P.PCK.**

SVB 250  
**1743.0** 1

IEC	UL
690	600
250	230
120   35–16–10	
2 – 4 (1)	
2,5   3	
V0	
51	
24,5	
100   250	

A	B	C
1		
35-120		
35-120		
35-120		
35-95		
35-95		
35-95		
15		
19-21		
M14		
M6		
27-29		

A	B	C
2	5	4
6-35	1,5-16	1,5-10
6-35	1,5-16	1,5-10
6-35	1,5-16	1,5-10
6-25	1,5-16	1,5-10
6-25	1,5-16	1,5-10
6-25	1,5-16	1,5-10
9	6,5	6
3,5-7	2-3	2-3
M8	M6	M6
1,2 x 6,5	0,8 x 4,0	0,8 x 4,0
10-12	10-12	10-12

**QTY. P.PCK.**

ES 35/K/ST beige  
**2828.0** 50  
 Color versions  
 ISKS 6  
**2772.0** 1  
 SDB 0,8 x 4,0  
**1087.0** 1  
 SDB 1,2 x 6,5  
**1088.0** 1

**SVB 400**



**Drawing 5**  
see right

Current distributor block  
12 connections

**Screw connection techn.**

96 x 44 x 50  
96 x 44 x 53  
414

**QTY. P.PCK.**

SVB 400  
**1744.0** 1

⑥

**IEC UL**

690 600  
400 310

185 | 35-16-10  
3/0-350

2,5 | 3  
V0

51  
21

100 | 350

**A B C**

1  
95-185

95-185  
95-185

95-150  
95-150

95-150  
19

25-27  
M16

M8  
27-29

**A B C**

2 5 4  
6-35 1,5-16 1,5-10

6-35 1,5-16 1,5-10  
6-35 1,5-16 1,5-10

6-25 1,5-16 1,5-10  
6-25 1,5-16 1,5-10

6-25 1,5-16 1,5-10  
9 6,5 6

3,5-7 2-3 2-3  
M8 M6 M6

1,2 x 6,5 0,8 x 4,0 0,8 x 4,0  
10-12 10-12 10-12

**QTY. P.PCK.**

ES 35/K/ST beige  
**2828.0** 50

⑥

ISKS 8  
**2773.0** 1

SDB 0,8 x 4,0  
**1087.0** 1

SDB 1,2 x 6,5  
**1088.0** 1

**SVB 175/3**



**Drawing 6**  
see right

Current distributor block  
3 x 7 connections

**Screw connection techn.**

71 x 80 x 43  
71 x 80 x 46  
386

**QTY. P.PCK.**

SVB 175/3  
**1745.0** 1

⑥

**IEC UL cUL**

690 600 600  
175 115 175

70 | 16  
8-2 | 14-6

2,5 | 3  
V0

30  
11

100 | 175

**A B C**

3 x 1  
16-70

16-70  
16-70

16-50  
16-50

16-50  
12

6-10  
M10

M5  
14-16

**A B C**

3 x 6  
2,5-16

2,5-16  
2,5-16

2,5-10  
2,5-10

2,5-10  
6,5

3-4  
M6

M3  
10-12

**QTY. P.PCK.**

ES 35/K/ST beige  
**2828.0** 50

⑥

ISKS 5  
**2818.0** 1

ISKS 6  
**2772.0** 1

**SVB 160**



**Drawing 7**  
see right

Current distributor block  
7 connections with  
busbar distribution

**Screw connection techn.**

92 x 35 x 50  
92 x 35 x 54  
238

**QTY. P.PCK.**

SVB 160  
**1746.0** 1

⑥

**IEC UL cUL**

690 600 600  
160 160 160

70 | 126  
8-2/0 | 14-4

2,5 | 3  
V0

30  
11

100 | 175

**A B C**

1  
10-70

10-70  
10-70

10-70  
10-70

10-70  
13

5-6  
M10

M5  
16-18

**A busbar**

6 16 x 5 mm max.

2,5-16  
2,5-16

2,5-16  
2,5-16

2,5-16  
7

1,5-3 2-3  
M5 M6

PZ2 M5  
10-12

**QTY. P.PCK.**

ES 35/K/ST beige  
**2828.0** 50

⑥

ISKS 5  
**2818.0** 1

ISKS 6  
**2772.0** 1

**SVB 125/4**



**Drawing 8**  
see right

Current distributor block  
3 x 8 connections with  
neutral-conductor busbar

**Screw connection techn.**

74 x 98 x 50  
74 x 98 x 53  
314

**QTY. P.PCK.**

SVB 125/4  
**1747.0** 1

⑥

**IEC**

690

35 | 16  
-

2,5 | 3  
V0

30  
11,8

-

**A B C**

3 x 1 3 x 5 3 x 2  
6-35 1,5-6 4-16

6-35 1,5-6 4-16  
6-35 1,5-6 4-16

6-25 1,5-6 4-10  
6-25 1,5-6 4-10

6-25 1,5-6 4-10  
9 5 7

1,5 0,8 1,5  
M5 M4 M5

PZ2 PZ1 PZ2  
12-18 9-12 12-18

**neutral conductor neutral conductor neutral conductor**

1 4 6  
6-35 1,5-6 4-16

6-35 1,5-6 4-16  
6-35 1,5-6 4-16

6-25 1,5-6 4-10  
6-25 1,5-6 4-10

6-25 1,5-6 4-10  
9 5 7

1,5 0,8 1,5  
M5 M4 M5

PZ2 PZ1 PZ2  
12-18 9-12 12-18

**QTY. P.PCK.**

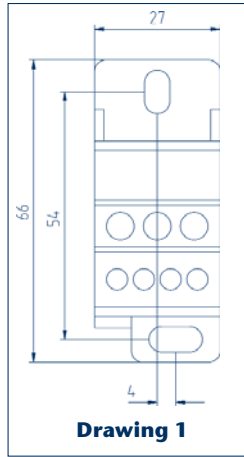
ES 35/K/ST beige  
**2828.0** 50

⑥

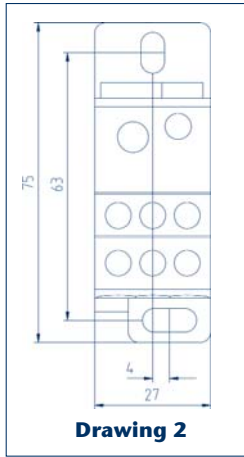
SDK 1,0 x 80  
**2289.0** 1

SDK 1,0 x 100  
**2290.0** 1

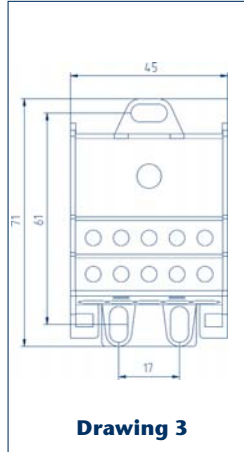
**Dimensioned drawing**



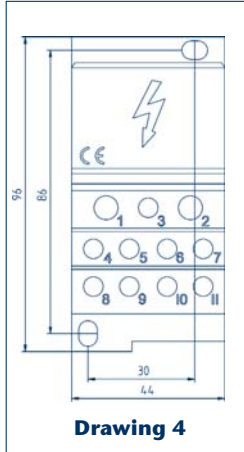
**Drawing 1**



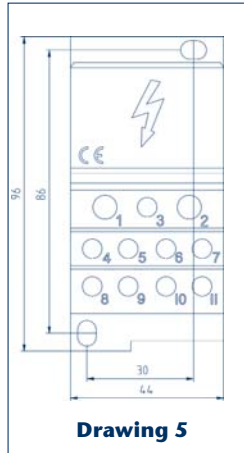
**Drawing 2**



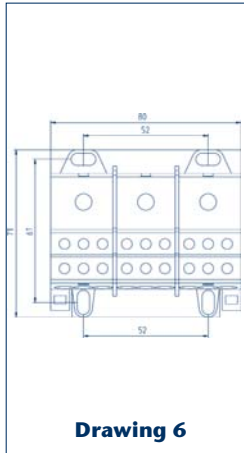
**Drawing 3**



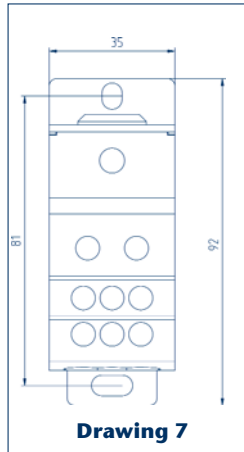
**Drawing 4**



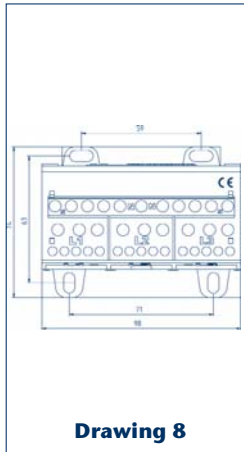
**Drawing 5**



**Drawing 6**



**Drawing 7**



**Drawing 8**

**Colour code**

⑥ grey  
⑦ light grey