







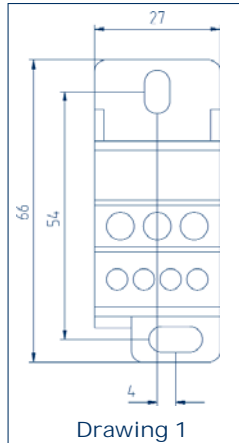
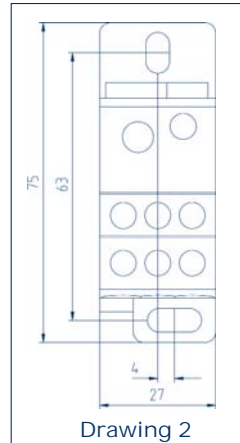
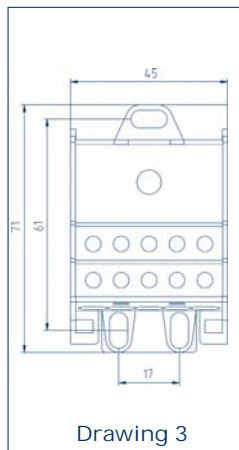
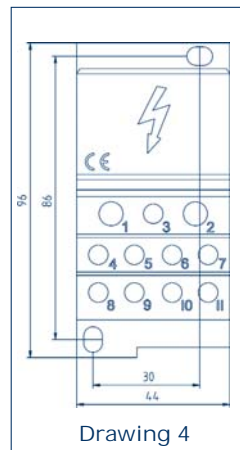
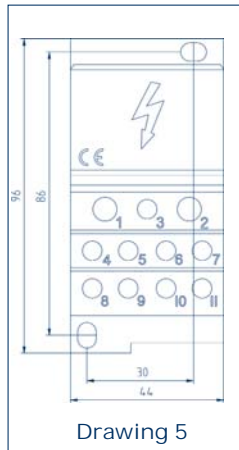
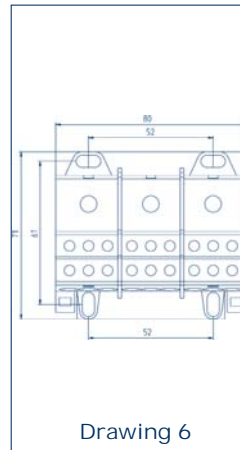
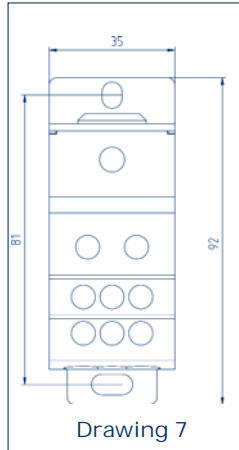
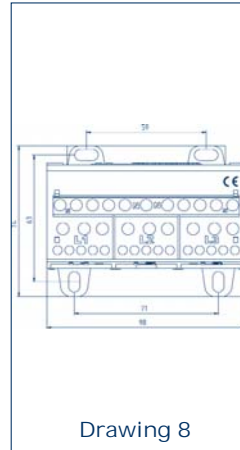

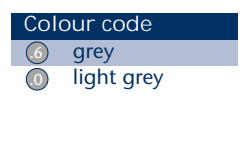


Screw-type distribution blocks

Screw connection system	SVB 80	SVB 125	SVB 175	SVB 250
<ul style="list-style-type: none"> • 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	Drawing 1 see right	Drawing 2 see right	Drawing 3 see right	Drawing 4 see right
	Current distributor block 7 connections	Current distributor block 8 connections	Current distributor block 12 connections	Current distributor block 12 connections
Connection type	Screw connection techn.	Screw connection techn.	Screw connection techn.	Screw connection techn.
Size (L x W x H) with attachment mm	66 x 27 x 47	75 x 27 x 47	71 x 45 x 43	96 x 44 x 50
Size (L x W x H) with TS 35 x 7.5 mm mm	66 x 27 x 50	75 x 27 x 50	71 x 45 x 46	96 x 44 x 53
Weight g	63	134	228	434
Type	QTY. P.PCK.	QTY. P.PCK.	QTY. P.PCK.	QTY. P.PCK.
Type	SVB 80	SVB 125	SVB 175	SVB 250
Cat. no.	1740.0 1	1741.0 1	1742.0 1	1743.0 1
Color versions	①	①	①	①
Ratings	IEC UL cUL	IEC UL cUL	IEC UL cUL	IEC UL
Rated voltage V	690 600 600	690 600 600	690 600 600	690 600
Rated current A	80 80 80	125 115 115	175 115 175	250 230
Rated cross-section for input and output mm ²	16 16 – 6	35 – 16 16	70 16	120 35–16–10
Rated cross-section for input and output AWG	8 – 4 14 – 4	8 – 2 14 – 4	8 – 2 14 – 6	2 – 4 (1)
Rated impulse voltage kV Contamination degree	2,5 3	2,5 3	2,5 3	2,5 3
Flammability class UL 94	V0	V0	V0	V0
Short-circuit resistance rating				
Short-circuit current resistance Ipk (peak value) kA	2,7	30	30	51
Short-circuit current resistance ICW over 1 s kA	1,9	4,2	11	24,5
SCCR rating kV Class series fuse required A	100 80	100 125	-	100 250
Connection data				
Inputs	A B C	A B C	A B C	A B C
Number of connections	1	1 1	1	1
Clampable wire: mm ²	2,5-16	10-35 2,5-16	16-70	35-120
"e" single wire H07V-U	2,5-16	10-35 2,5-16	16-70	35-120
"m" stranded H07V-R	2,5-16	10-35 2,5-16	16-70	35-120
"f" flexible H07V-K	2,5-16	10-35 2,5-16	16-50	35-95
"f" flexible H07V-K and ferrule DIN 46 228/1	2,5-16	10-35 2,5-16	16-50	35-95
"f" flexible H07V-K and ferrule with plastic collar	2,5-16	10-35 2,5-16	16-50	35-95
Diameter mm	7	10 7	12	15
Torque Nm	1,5 – 3	3,5-5 3,5-5	6-10	19-21
Terminal screw	M5	M8 M6	M10	M14
Blade size	PZ2	M4 M4	M5	M6
Stripping length mm	10 – 12	14-16 12-15	14-16	27-29
Outputs	A B C	A B C	A B C	A B C
Number of connections	2 4	6	10	2 5 4
Clampable wire: mm ²	2,5-16 2,5-6	2,5-16	2,5-16	6-35 1,5-16 1,5-10
"e" single wire H07V-U	2,5-16 2,5-6	2,5-16	2,5-16	6-35 1,5-16 1,5-10
"m" stranded H07V-R	2,5-16 2,5-6	2,5-16	2,5-16	6-35 1,5-16 1,5-10
"f" flexible H07V-K	2,5-16 2,5-6	2,5-16	2,5-10	6-25 1,5-16 1,5-10
"f" flexible H07V-K and ferrule DIN 46 228/1	2,5-16 2,5-6	2,5-16	2,5-10	6-25 1,5-16 1,5-10
"f" flexible H07V-K and ferrule with plastic collar	2,5-16 2,5-6	2,5-16	2,5-10	6-25 1,5-16 1,5-10
Diameter mm	7 4,5	6,5	6,5	9 6,5 6
Torque Nm	1,5-3 0,8-1,5	2-3	3-4	3,5-7 2-3 2-3
Terminal screw	M5 M4	M5	M6	M8 M6 M6
Blade size	PZ2 PZ1	PZ2	M3	1,2 x 6,5 0,8 x 4,0 0,8 x 4,0
Stripping length mm	10-12 9-12	10-12	10-12	10-12 10-12 10-12
Accessories	QTY. P.PCK.	QTY. P.PCK.	QTY. P.PCK.	QTY. P.PCK.
End brackets ES	ES 35/K/ST beige	ES 35/K/ST beige	ES 35/K/ST beige	ES 35/K/ST beige
Cat. no.	2828.0 50	2828.0 50	2828.0 50	2828.0 50
Color versions	⑥	⑥	⑥	⑥
Allen key socket wrench ISKS			ISKS 5	ISKS 6
Cat. no.			2818.0 1	2772.0 1
Allen key socket wrench ISKS				
Cat. no.				
Screwdriver SDK	SDK 1,0 x 80			SDB 0,8 x 4,0
Cat. no.	2289.0 1			1087.0 1
Screwdriver SDK	SDK 1,0 x 100	SDK 1,0 x 100		SDB 1,2 x 6,5
Cat. no.	2290.0 1	2290.0 1		1088.0 1
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.

SVB 400	SVB 175/3	SVB 160	SVB 125/4	Dimensioned drawing
				
Drawing 5 see right	Drawing 6 see right	Drawing 7 see right	Drawing 8 see right	
Current distributor block 12 connections	Current distributor block 3 x 7 connections	Current distributor block 7 connections with busbar distribution	Current distributor block 3 x 8 connections with neutral-conductor busbar	Drawing 1
Screw connection techn. 96 x 44 x 50 96 x 44 x 53 414	Screw connection techn. 71 x 80 x 43 71 x 80 x 46 386	Screw connection techn. 92 x 35 x 50 92 x 35 x 54 238	Screw connection techn. 74 x 98 x 50 74 x 98 x 53 314	
QTY. P.PCK. SVB 400 1744.0 1	QTY. P.PCK. SVB 175/3 1745.0 1	QTY. P.PCK. SVB 160 1746.0 1	QTY. P.PCK. SVB 125/4 1747.0 1	
IEC 690 UL 600 400 310 185 35-16-10 3/0-350 2,5 3 V0	IEC 690 UL 600 cUL 600 175 115 175 70 16 8-2 14-6 2,5 3 V0	IEC 690 UL 600 cUL 600 160 160 160 70 126 8-2/0 14-4 2,5 3 V0	IEC 690 35 16 - 2,5 3 V0	
51 21 100 350	30 11 100 175	30 11 100 175	30 11,8 -	
A B C	A B C	A B C	A B C	
1 95-185 95-185 95-185 95-150 95-150 95-150 19 25-27 M16 M8 27-29	3 x 1 16-70 16-70 16-70 16-50 16-50 16-50 12 6-10 M10 M5 14-16	1 10-70 10-70 10-70 10-70 10-70 10-70 13 5-6 M10 M5 16-18	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	
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	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	A busbar 6 16 x 5 mm max. 2,5-16 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	neutral conductor 1 neutral conductor 4 neutral conductor 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	QTY. P.PCK. ES 35/K/ST beige 2828.0 50	QTY. P.PCK. ES 35/K/ST beige 2828.0 50	QTY. P.PCK. ES 35/K/ST beige 2828.0 50	
ISKS 8 2773.0 1	ISKS 5 2818.0 1	ISKS 5 2818.0 1		Drawing 7
SDB 0,8 x 4,0 1087.0 1	ISKS 6 2772.0 1	ISKS 6 2772.0 1		Drawing 8
SDB 1,2 x 6,5 1088.0 1			SDK 1,0 x 80 2289.0 1	
			SDK 1,0 x 100 2290.0 1	

Colour code
 ⑥ grey
 ⑦ light grey



Otto-Hahn-Str. 7
D-33161 Hövelhof

Phone +49 (0) 52 57. 98 33-0
Fax +49 (0) 52 57. 98 33-33

info@conta-clip.com
www.conta-clip.com