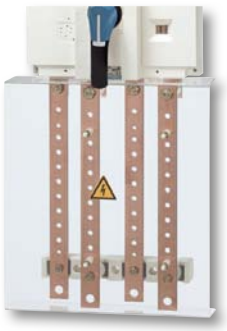
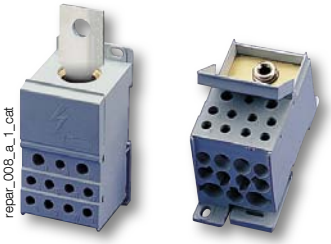


Distribution blocks

Distribution



Distribution blocks for SOCOMEC disconnection devices



repar_008_a_1_cat

Unipolar distribution blocks



repar_028_a_1_cat

Multipolar distribution blocks

The solution for

> Electrical distribution



Conformity to standards

> IEC 61439-1
> NF C 20455

Function

SOCOMEC **distribution blocks** allow easy connection of conductors.
They are installed downstream of a load break switch, a changeover switch or a fuse-combination switch.

Characteristics

General characteristics

- Insulation voltage:
  - ferrules terminal distribution block: 500 V,
  - modular row terminal distribution block: 690 V,
  - wire-terminal distribution block: 1000 V.
- Impulse voltage:
  - ferrules terminal distribution block: 6 kV,
  - modular row terminal distribution block: 6 kV,
  - wire-terminal distribution block: 8 kV.
- Self-extinguishing: 960 °C.

Composition of the range

- 7 ratings from 80 to 360 A in 1, 2, 3 and 4 poles.
- 2 connection modes:
  - direct or ferrules,
  - cable lugs.

Direct or cable connection

Bridge multipolar distribution block

References

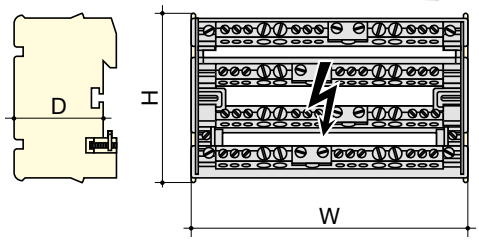
Rating (A)	No. of poles	No of feeders per section (mm²)	Dimensions H x W x D (mm)	I_{cc} (kA rms)(1)	Reference
125	3/4 P	2x25 + 7x10	85 x 88 x 48	3	5420 **4108**
125	3/4 P	2x25 + 2x16 + 9x10	85 x 129 x 48	4.2	5420 **4112**
160	3/4 P	1x35 + 3x25 + 8x16(2)	90 x 160.5 x 50	6.2	5420 **4016**

(1) Short circuit withstand (rms value) 1 second.
(2) Maximum section of flexible cable.

Dimensions

Rating (A)	H (mm)	W (mm)	D (mm)
125	98	74.5	45
175	80	71.5	42.5


repar_027_a_2_cat



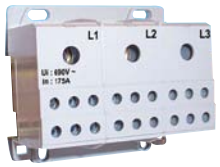
repar_009_a_1_gb_cat

Direct or cable connection distribution blocks which can be clipped onto a symmetric DIN rail.

Monoblock multipolar distribution block

References

Rating (A)	No. of poles	Dimensions H x W x D (mm)	Reference
125	4 P	98 x 74.5 x 45	5410 **4112**
175	3 P	80 x 71.5 x 42.5	5410 **3017**



repar_039_a_1_cat

Unipolar distribution blocks

References

Rating (A)	Switch mounting N (mm)	I_{cc} (kA rms)	Reference
80	56.5	1.9	5410 **1008**
125	65	4.4	5410 **1012**
175	60.5	11	5410 **1017**
250	86	21	5410 **1025**
400	86	21	5410 **1040**
Description of accessories			**Reference**
Connection for rating 250 A(1)			5410 **0025**
Connection for rating 400 A(1)			5410 **0040**

(1) Linking part enabling direct assembly on the connecting lugs of the switching device.


repar_008_a_2_cat

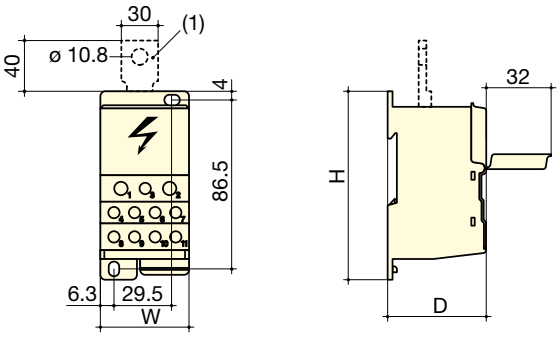
Dimensions

Rating (A)	Dimensions H x W x D (mm)	I_{cc} (kA rms)(1)
80	66 x 27 x 47	1.9
125	74.5 x 27 x 46.5	4.4
175	71 x 45 x 43.5	11
250	96 x 45 x 50	21
400	96 x 45 x 50	21

(1) Short circuit withstand (rms value) 1 second.

Connections

Rating (A)	Power supply section (mm²)	No of phases per section (mm²)
80	< 16	4 x 6 + 2 x 16
125	< 35	6 x 2.5 to 16
175	16 ... 70	10 x 2.5 to 16
250	35 ...120	2 x 25 + 5 x 16 + 4 x 10
400	95 ...185	2 x 25 + 5 x 16 + 4 x 10
125	Phase: 5 x 1 to 6 + 2 x 1.5 to 10 / Neutral: 6 x 1.5 to 10 + 4 x 1.5 to 6	
175	6 x 2.5 to 16	



repar_010_c_1_gb_cat

Direct or cable connection distribution blocks, IP20 which can be clipped onto a symmetric DIN rail.

Earth bar

References

Mounting by	No of feeders per section (mm²)	Material	W (mm)	To be ordered in multiples of	Reference
2 self M4	10 x 16 + 2 x 35	brass	120	10	5414 **0120**
2 self M6	41 x 16 + 2 x 35	brass	470	10	5414 **0470**


barre_006_a_2_cat

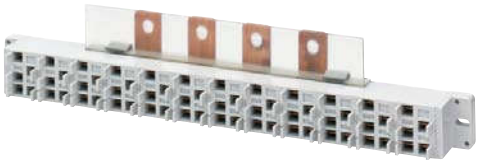
Row distribution blocks

Row distribution block with IP20 connectors

References

Rating (A)	Length	With connector leads(1)	Icc (kA rms)	Reference
250(2)	1 row	yes	10	5420 **2426**
250(2)	1 row	no	10	5421 **2426**

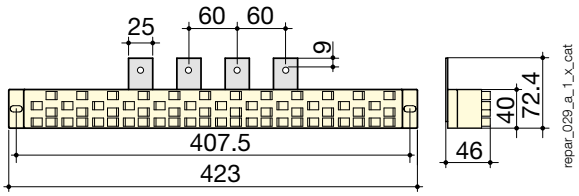
(1) Delivered with 6 mm² connector leads, L = 120 mm, 12 black connectors, 12 blue connectors.
(2) Preferably the terminations will be distributed over the entire number or terminals.



Dimensions

Cables and connectors

Rating (A)	Type	Length (mm)	Colour	To be ordered in multiples of	Reference
40	6 mm² cable	120	Blue	10	5421 **1006**
40	6 mm² cable	120	Black	10	5421 **1016**
40	6 mm² cable	320	Blue	10	5421 **1106**
40	6 mm² cable	320	Black	10	5421 **1116**
63	10 mm² cable	320	Blue	10	5421 **1101**
63	10 mm² cable	320	Black	10	5421 **1111**
	1.5 - 2.5 mm² connector			20	5421 **0025**
	4 - 6 mm² connector			20	5421 **0125**

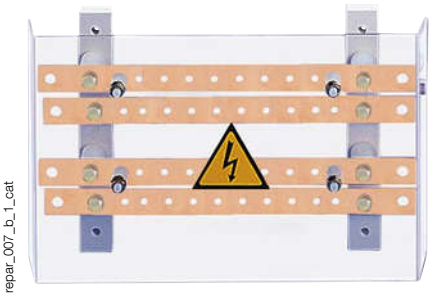


Terminal connections

Multipolar distribution blocks

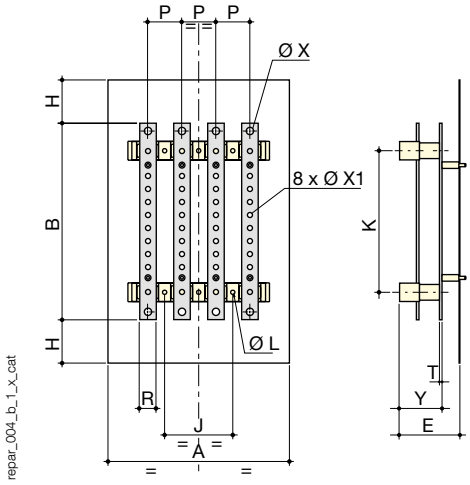
References

Rating (A)	No. of poles	Icc (kA rms)	No of feeders per section (mm^2)	Reference
160	3 P	10	2 x 95 + 8 x 25	5412 **3016**
160	4 P	10	2 x 95 + 8 x 25	5412 **4016**
250	3 P	15	2 x 150 + 8 x 50	5412 **3025**
250	4 P	15	2 x 150 + 8 x 50	5412 **4025**
400	3 P	21	2 x 240 + 8 x 95	5412 **3040**
400	4 P	21	2 x 240 + 8 x 95	5412 **4040**
630	3 P	21	2 x 300 + 8 x 150	5412 **3063**
630	4 P	21	2 x 300 + 8 x 150	5412 **4063**



Dimensions

Rating (A)	No. of poles	A	B	E	H	J	K	ØL	P	R	T	ØX	ØX1	Y
160	3 P	154	286	73	46.5	122	207	6.5	36	20	4	9	6	54
160	4 P	190	286	73	46.5	158	207	6.5	36	20	4	9	6	54
250	3 P	210	307	83	57.5	50	222	7	50	25	4	11	8	56
250	4 P	260	307	83	57.5	100	222	7	50	25	4	11	8	56
400	3 P	281	375	116	82.5	65	270	8	65	32	5	14.5	8.5	82
400	4 P	346	375	116	82.5	130	270	8	65	32	5	14.5	8.5	82
630	3 P	271	438	117	90.5	65	333	8	65	40	6	14.5	10.5	83
630	4 P	346	438	117	90.5	130	333	8	65	40	6	14.5	10.5	83



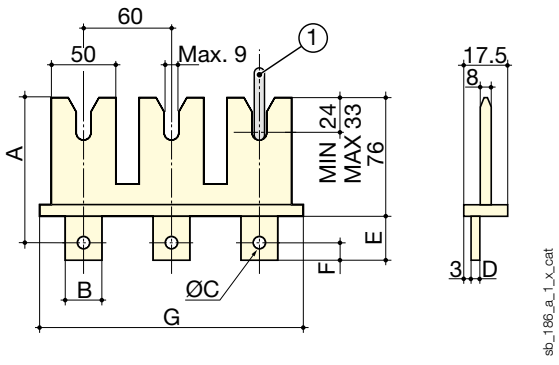
Terminal connections distribution blocks with front protection cover against direct contact.

Plug-in unit for 5 to 6.3 mm bars

References

Rating (A)	No. of poles	Reference
125/160	3 P	3699 **3P16**
125/160	4 P	3699 **3P16**
250/400	3 P	3699 **3P39**
250/400	4 P	3699 **6P39**
630/800	3 P	3699 **3P80**
630/800	4 P	3699 **6P80**

Rating (A)	No. of poles	A	B	C	D	E	F	G
125/160	3 P	99	20	M8	3	23	10	186
125/160	4 P	99	20	M8	3	23	10	248
250/400	3 P	101.5	25	M10	4	28	12.5	186
250/400	4 P	101.5	25	M10	4	28	12.5	248
630/800	3 P	101.5	25	M10	4	28	12.5	186
630/800	4 P	101.5	25	M10	4	28	12.5	248



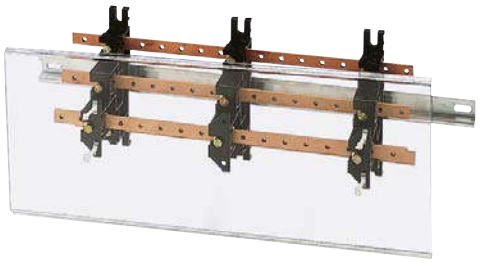
1. Dropper busbar with a thickness of 5 to 6.3 mm.

Terminal connections (continued)

Stair type multipolar distribution blocks

References

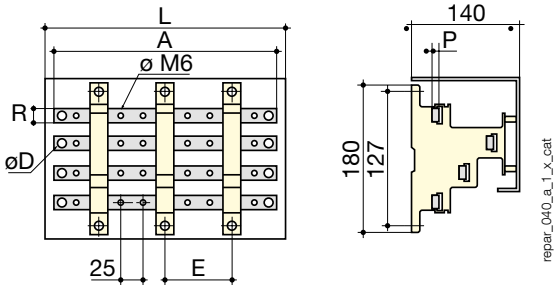
Rating (A)	L (mm)	No. of poles	Icc (kA rms)	No. of supports	Distribution block Reference	Protection cover Reference
160	270	4 P	25	2	5028 **0421**	5028 **0411**
160	420	4 P	17	2	5028 **0451**	5028 **0412**
160	620	4 P	20	3	5028 **0471**	5028 **0413**
250	270	4 P	30	2	5028 **0423**	5028 **0411**
250	420	4 P	22	2	5028 **0453**	5028 **0412**
250	620	4 P	18	3	5028 **0473**	5028 **0413**
400	270	4 P	24	2	5028 **0425**	5028 **0411**
400	420	4 P	21	2	5028 **0455**	5028 **0412**
400	620	4 P	13	3	5028 **0475**	5028 **0413**


repar_012_b_1_cat

Dimensions

Type	Pack qty	Reference
Spacer for protective cover	1	5028 **0415**

Rating (A)	Nb of terminations	A	ØD	E	L	P	R
160	9	250	8	150	270	5	15
160	15	400	8	300	420	5	15
160	21	600	8	250	620	5	15
250	9	250	10	150	270	5	20
250	15	400	10	300	420	5	20
250	21	600	10	250	620	5	20
400	8	225	12	150	270	5	32
400	14	375	12	300	420	5	32
400	20	620	12	250	620	5	32



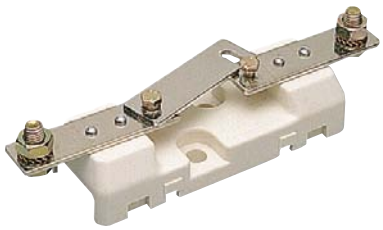
repar_040_a_1_x_cat

Stair type distribution blocks with threaded holes. Can be clipped onto a symmetric DIN rail.
Factory assembled and supplied without protection cover

Disconnectable solid neutral links

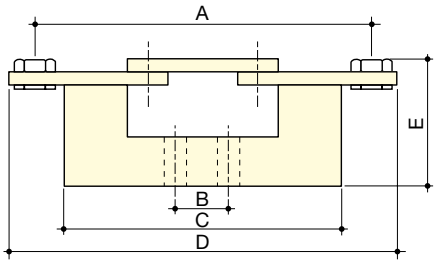
References

Rating (A)	Connection type	Reference
160	Terminal connections	NB16 **0000**
250	Terminal connections	NB25 **0000**
400	Terminal connections	NB40 **0000**
630	Terminal connections	NB63 **0000**


repar_030_a_2_cat

Dimensions

Rating (A)	A	B	C	D	E	Width max. (mm)
160	100	25	85	117	45	32
250	150	25	120	173	45	32
400	176	25	150	200	65	55
630	210	25	160	240	65	75

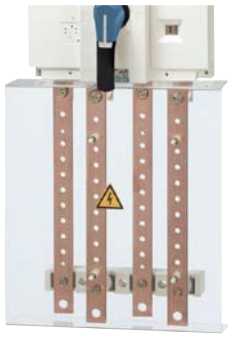


shunt_012_a_1_x_cat

SIRCO multipolar distribution blocks

References

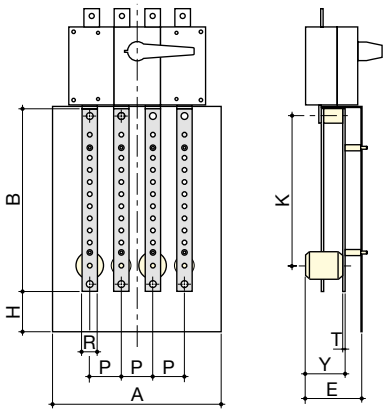
Rating (A)	No. of poles	Icc (kA rms)	No of feeders per section (mm^2)	Reference
160	3 P	10	1 x 95 + 8 x 25	5411 **3016**
160	4 P	10	1 x 95 + 8 x 25	5411 **4016**
250	3 P	15	1 x 150 + 8 x 50	5411 **3025**
250	4 P	15	1 x 150 + 8 x 50	5411 **4025**
400	3 P	21	1 x 240 + 8 x 95	5411 **3040**
400	4 P	21	1 x 240 + 8 x 95	5411 **4040**
630	3 P	21	1 x 300 + 8 x 150	5411 **3063**
630	4 P	21	1 x 300 + 8 x 150	5411 **4063**



repar_020_b_1_cat

Dimensions

Rating (A)	No. of poles	A	B	E	H	K	P	R	T	Y
160	3 P	154	286	73	46.5	261.5	36	20	4	54
160	4 P	190	286	73	46.5	261.4	36	20	4	54
250	3 P	210	307	83	57.5	279	50	25	4	56
250	4 P	260	307	83	57.5	279	50	25	4	56
400	3 P	281	375	116	82.5	340	65	32	5	82
400	4 P	346	375	116	82.5	340	65	32	5	82
630	3 P	271	438	117	90.5	410.5	65	40	6	83
630	4 P	346	438	117	90.5	410.5	65	40	6	83



repar_003_c_1_x_cat

Terminal connections distribution blocks with front protection cover against direct contact (breaking device not supplied).

Multipolar distribution blocks for FUSERBLOC and SIRCO VM2

References

Rating (A)	Fuse size	No. of poles	Device	No of feeders per section (mm^2)	Reference
100/125/160	22x58/00	3 P	FUSERBLOC	10x16 + 2x35 + 3xM6	5413 **3016**
100/125/160	22x58/00	4 P	FUSERBLOC	10x16 + 2x35 + 3xM6	5413 **4016**
160	0	3 P	FUSERBLOC	10x16 + 2x35 + 3xM6	5413 **3017**
160	0	4 P	FUSERBLOC	10x16 + 2x35 + 3xM6	5413 **4017**
250	1	3 P	FUSERBLOC	11 x M8	5413 **3025**
250	1	4 P	FUSERBLOC	11 x M8	5413 **4025**
400	2	3 P	FUSERBLOC	11 x M8	5413 **3040**(1)
400	2	4 P	FUSERBLOC	11 x M8	5413 **4040**(1)
160/200		3 P	SIRCO VM2	10x16 + 2x35 + 3xM6	5413 **3020**
160/200		4 P	SIRCO VM2	10x16 + 2x35 + 3xM6	5413 **4020**

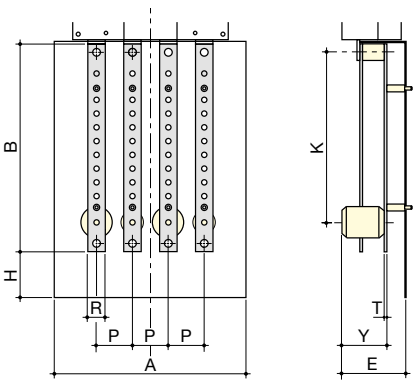
(1) External distribution block only compatible with Fuserbloc rating 400 A and reference 3xxx xx39.



repar_013_a_2_cat

Dimensions

Rating (A)	No. of poles	Device	A	B	E	H	K	P	R	T	Y
100/125/160	3 P	FUSERBLOC	110	260	61	20	233	36	20	4	39
100/125/160	4 P	FUSERBLOC	145	260	61	20	233	36	20	4	39
160	3 P	FUSERBLOC	150	260	61	20	233	50	20	4	39
160	4 P	FUSERBLOC	200	260	61	20	233	50	20	4	39
250	3 P	FUSERBLOC	185	340	67	15	300	60	32	5	45
250	4 P	FUSERBLOC	245	340	67	15	300	60	32	5	45
400	3 P	FUSERBLOC	210	340	67	15	300	66	32	5	45
400	4 P	FUSERBLOC	275	340	67	15	300	66	32	5	45
160/200	3 P	SIRCO VM2	142	260	61	20	233	27.5	20	4	39
160/200	4 P	SIRCO VM2	142	260	61	20	233	27.5	20	4	39



repar_041_a_1_x_cat