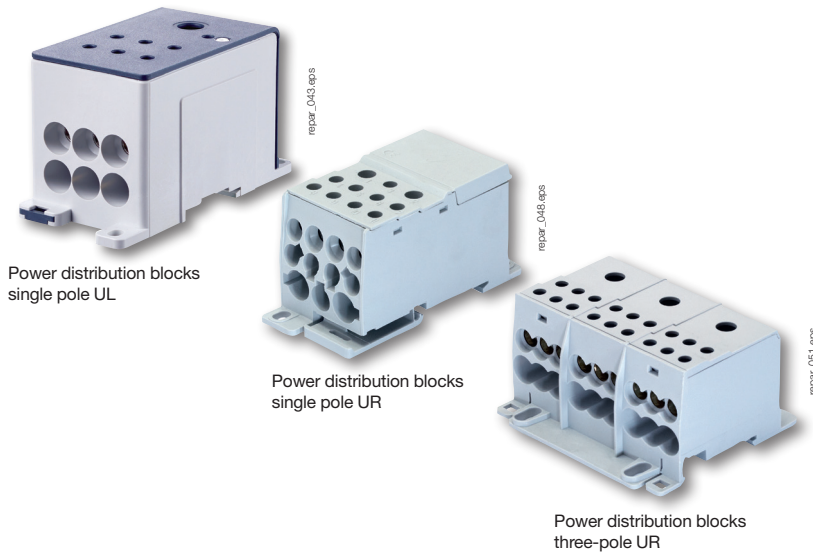


Power Distribution Blocks

Distribution



Function

SOCOMEK **Power Distribution Blocks** allow for easy connection to conductors to distribute power from one load into multiple smaller loads. They are installed downstream of a disconnect switch, transfer switch or circuit breaker.

Advantages

IP20 finger safe protection

- IP20 rated
- Finger-safe design provides touch safe protection from live parts

Wide range

The extent of the range makes it possible to find the distribution system adapted to its needs:

- 5 single pole power distribution blocks UL
- 4 single pole power distribution blocks UR
- 1 multipolar power distribution blocks UR

Easy integration

The compact design of the different distribution blocks allow for easier integration into the equipment.

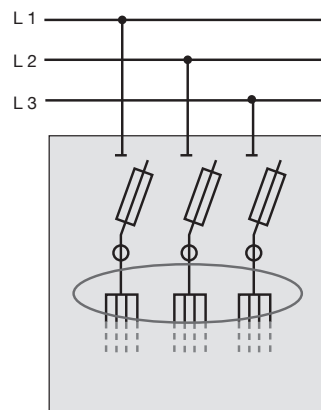
Flexible wiring

Allows use of standard solid, stranded and fine wire strands with use of compression sleeve

UL & IEC range

The range of distribution blocks comply to both UL standards & IEC standards

Application



The solution for

- > Industrial Control Panels Manufacturers (UL 508A)
- > Switchboards Manufacturers (UL 891)
- > Distributors
- > OEM/Machine Builders
- > PV Combiner/Re-Combiner Box Manufacturers



Strong points

- > IP20 finger safe protection
- > Wide range
- > Easy integration
- > Flexible wiring
- > UL listed

Conformity to standards

- > UL 1953
Guide QPQS
File E500778
- > UL 1059
CSA-C22.2 No. 128
Guide XCFR
File E500524



- > IEC 61439-1
- > IEC 60947-7-1



Power Distribution Blocks UL 1953

General Characteristics

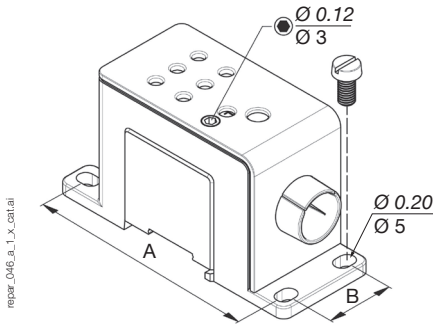


- Material: tin plated aluminum
- Suitable conductors: aluminum or copper
- IP20 finger-safe
- Adjustable Dial allows for Selection of L1–L2–L3 phase designation
- Simple and secure DIN rail locking clips allow for easy mounting on DIN rail
- Panel mounting
- Included connection clip allows to join multiple poles together
- Voltage Ratings: 1000 VAC/DC UL 1500VAC/VD IEC

References

Type	Rating (A)		References
	Cable Cu	Cable Al	
Type 1	85	65	54UL 1008
Type 2	115	90	54UL 1012
Type 3	175	135	54UL 1017
Type 4	255	205	54UL 1025
Type 5	380	310	54UL 1040

Dimensions (in/mm)



Type	Units	H x W x D	Mounting	
			A	B
Type 1	in	1.93 x 1.417 x 3.524	3.118	0.914
	mm	49 x 36 x 89.5	79.2	23.2
Type 2	in	1.93 x 1.417 x 3.524	3.118	0.914
	mm	49 x 36 x 89.5	79.2	23.2
Type 3	in	2.09 x 1.417 x 3.898	3.492	0.914
	mm	53 x 36 x 99	88.7	23.2
Type 4	in	2.39 x 2.126 x 4.488	4.063	1.622
	mm	60.7 x 54 x 114	103.7	41.2
Type 5	in	2.39 x 2.126 x 4.488	4.063	1.622
	mm	60.7 x 54 x 114	103.7	41.2

Connections & Electrical Characteristics

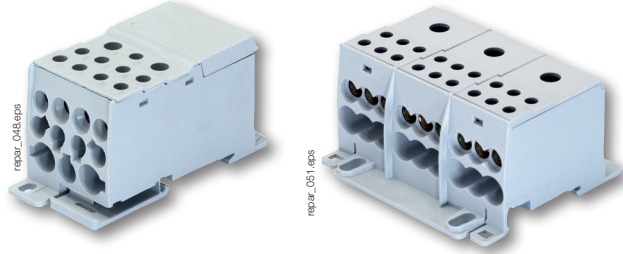
Type	For connection	Number of holes	Solid / stranded wired	Fine wire with sleeve	1953 Voltage Max.		Short circuit withstanding			Max. Fuse rating (A)		
			Connection	Connection	AC (V)	DC (V)	I _{cw} (kA)	I _{pk} (kA)	SCCR (kA)	Class RK5	Class RK1	Class J
Type 1	Line	1	3 - 14 AWG	3 - 14 AWG	1000	1000	3	35	100	100	200	250
	Load	6	8 - 14 AWG	10 - 14 AWG								
Type 2	Line	1	1 - 14 AWG	2 - 14 AWG								
	Load	6	4 - 14 AWG	6 - 14 AWG								
Type 3	Line	1	2/0 - 14 AWG	1/0 - 14 AWG								
	Load	4	4 - 14 AWG	6 - 14 AWG								
Type 4	Line	1	250 - 2 kcmil	4/0 - 2 AWG								
	Load	6	2 - 14 AWG	4 - 14 AWG								
Type 5	Line	1	500 - 2/0 kcmil	400 - 2/0 kcmil								
	Load	6	8 - 14 AWG	4 - 14 AWG								

Power Distribution Blocks

Distribution

Power Distribution Blocks

General Characteristics

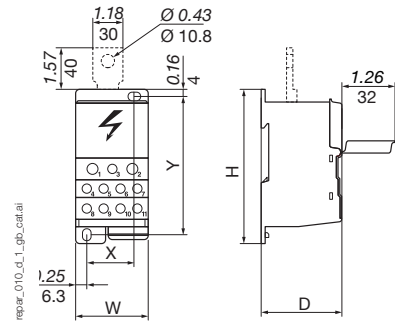


- Material: tin plated aluminum
- Suitable conductors: aluminum or copper
- IP20 finger-safe
- DIN Rail mounting
- Panel mounting
- Voltage Ratings: 600 VAC/DC

References

Type	Nb poles	Rating (A)		References
		Cable Cu	Cable Al	
Type 1	1 P	115	90	5411 1012
Type 2	1 P	115	90	5411 1013
Type 3	1 P	175	135	5411 1017
Type 4	1 P	255	-	5411 1025
Type 5	3 P	175	135	5411 3017
Accessory				References
Type 4 connection for devices				5410 0025

Dimensions (in/mm)



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

Type	Units	Dimensions H x W x D	Mounting	
			A	B
Type 1	in	2.91 x 1.06 x 1.81	2.44	0.157
	mm	74 x 27 x 46	62	4
Type 2	in	2.80 x 1.77 x 1.69	2.386	0.685
	mm	71 x 45 x 43	60.6	17.4
Type 3	in	2.80 x 1.77 x 1.69	2.386	0.685
	mm	71 x 45 x 43	60.6	17.4
Type 4	in	3.74 x 1.75 x 1.93	3.836	1.165
	mm	95 x 44.5 x 49	86	29.6
Type 5	in	2.8 x 3.15 x 1.93	2.382	2.07
	mm	72 x 80 x 43	60.6	52.5

Connections & Electrical Characteristics

Type	For connection	Number of holes	Solid / stranded wired	Fine wire with sleeve	1059 Voltage Max.		Short circuit withstanding							
			Connection	Connection	AC (V)	DC (V)	I _{cw} (kA)	I _{pk} (kA)						
Type 1	Line	1	2 - 8 AWG	2 - 8 AWG	600	600	4.2	30						
	Line	1	4 - 14 AWG	6 - 14 AWG										
	Load	6	4 - 14 AWG	6 - 14 AWG										
Type 2	Line	1	2 - 8 AWG	2 - 8 AWG			600	600	4.2	30				
	Load	10	4 - 14 AWG	6 - 14 AWG										
Type 3	Line	1	2/0 - 8 AWG	1/0 - 8 AWG					600	600	11	30		
	Load	10	4 - 14 AWG	6 - 14 AWG										
Type 4	Line	1	250 - 2 kcmil	4/0 - 2 AWG							600	600	21	51
	Load	2	2 - 14 AWG	4 - 14 AWG										
	Load	5	6 - 14 AWG	6 - 14 AWG										
	Load	4	8 - 14 AWG	8 - 14 AWG										
Type 5	Line	1	2/0 - 8 AWG	1/0 - 8 AWG	600	600							11	30
	Load	6	4 - 14 AWG	6 - 14 AWG										