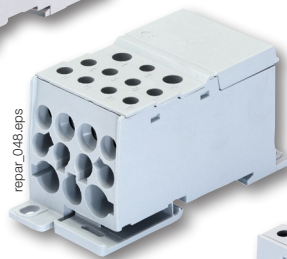


Power distribution blocks

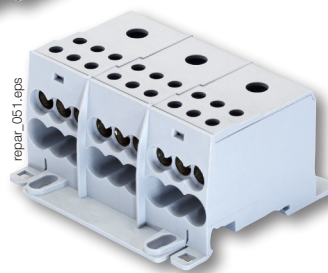
Distribution



Power distribution blocks
single pole UL



Power distribution blocks
single pole UR



Power distribution blocks
three-pole UR

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
- > Flexibility of 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



Function

SOCOME Power distribution blocks allow for easy connection of 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 allows an easier integration into the equipment and allows for either DIN rail mounting on direct panel mounting.

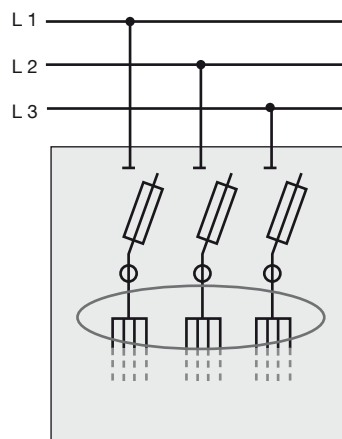
Flexibility of wiring

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 the UL standards & the IEC standards.

Application



Power distribution blocks UL 1953

General characteristics

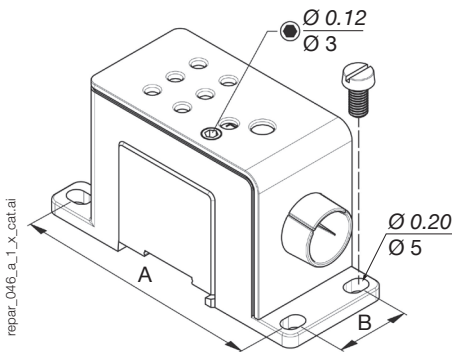


- Material: tin plated aluminum
- Suitable conductors: aluminum or copper.
- IP20 finger-safe.
- Adjustable Dial allows for Selection of L1–L2–L3 phase designation.
- Simple and secure DIN rail locking clip allows easy mounting on DIN Rail.
- Panel mounting.
- Included connection clip allows to join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

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

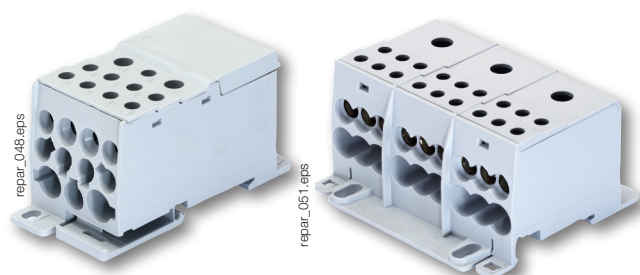
Type	For connection	Number of holes	Solid / stranded wired	Fine wire with sleeve	1953 Voltage Max.		Short circuit withstanding			Max. Fuse rating (A)					
			Connection	Connection	AC (V)	DC (V)	I _{cw} (kA)	I _{pk} (kA)	SCCR (kA)	Class RK5	Class RK1	Class J			
Type 1	Line	1	3 - 14 AWG	3 - 14 AWG	1000	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			6	36.1		100	100	200	250		
	Load	6	4 - 14 AWG	6 - 14 AWG											
Type 3	Line	1	2/0 - 14 AWG	1/0 - 14 AWG			8.4	40.8			200	200	400	450	
	Load	4	4 - 14 AWG	6 - 14 AWG											
Type 4	Line	1	250 - 2 kcmil	4/0 - 2 AWG			14.4	47.7				28.8	200	400	450
	Load	6	2 - 14 AWG	4 - 14 AWG											
Type 5	Line	1	500 - 2/0 kcmil	400 - 2/0 kcmil			57.2	200					200	400	450
	Load	6	8 - 14 AWG	4 - 14 AWG											

Power distribution blocks

Distribution

Power distribution blocks

General characteristics

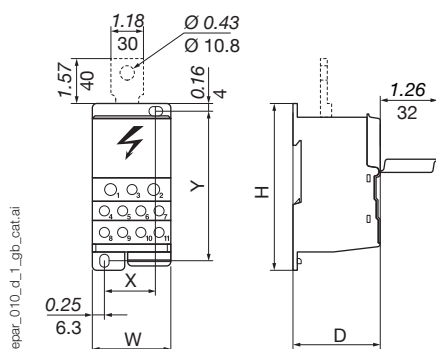


- Material: tin plated aluminum.
- Suitable conductors: aluminum or copper.
- IP20 finger-safe.
- DIN Rail mounting.
- Panel mounting.
- Voltage Ratings: 600 VAC/DC

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
Accessorie				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			4.2	30
	Load	10	4 - 14 AWG	6 - 14 AWG				
Type 3	Line	1	2/0 - 8 AWG	1/0 - 8 AWG			11	30
	Load	10	4 - 14 AWG	6 - 14 AWG				
Type 4	Line	1	250 - 2 kcmil	4/0 - 2 AWG			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			11	30
	Load	6	4 - 14 AWG	6 - 14 AWG				