

Power Distribution Blocks

Conductor Table

Conductors that can be used with the Power Distribution Blocks — number, cross-section and type.

- Requirements of a specific apparatus may restrict the number of conductors
- Usually a maximum of three adjacent standard cross-sections in one space
- In general, the conductors connected to one conductor space of a connector must be of the same type
- Table values require careful installation
- We recommend use of ferrules when using fine-stranded conductors
- After installation, check that all conductors are pressed into a connection
- The nominal current of the power distribution blocks must not be exceeded
- According to some installation standards, each incoming and outgoing protection and neutral conductor in a panel must have its own separate power distribution blocks
- The conductor numbers below refer only to industrially installed power distribution blocks (internal connections in a panel)

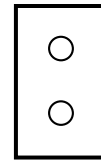


Figure 1

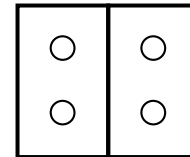


Figure 2

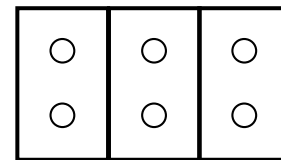


Figure 3

Cross-sections of conductors (AWG/kcmil) and number of conductors/space
The conductor numbers below refer only to industrially installed

CAT. NO.	AWG/ KCMIL	8	6	4	3	2	1	1/0	2/0	3/0	4/0	250	300	350	400	500	FIGURE
PDS610	Al		1	1	1	1	1										Figure 1
	Cu		1	1	1	1	1										
	Cu		2														
	Cu	3															
PDS3610	Al		1	1	1	1	1										Figure 3
	Cu		1	1	1	1	1										
	Cu		2														
	Cu	3															
PDS440	Al			1	1	1	1	1	1	1	1						Figure 1
	Cu			1	1	1	1	1	1	1	1						
	Cu		2	2	2	2											
	Cu	3															
PDS2300	Al					1	1	1	1	1	1	1	1				Figure 2
	Cu					1	1	1	1	1	1	1	1				
	Cu					2	2	2									
	Cu					3	3	3	2	1	1	1	1	1	1	1	
PDS30500	Al									1	1	1	1	1	1	1	Figure 1
	Cu									1	1	1	1	1	1	1	
	Cu					2	2	2	2								
	Cu					3	3	3									
PDS2610	Al		1	1	1	1	1										Figure 2
	Cu		1	1	1	1	1										
	Cu		2														
	Cu	3															
PDS2440	Al			1	1	1	1	1	1	1	1						Figure 2
	Cu			1	1	1	1	1	1	1	1						
	Cu		2	2	2	2											
	Cu	3															
PDS22300	Al					1	1	1	1	1	1	1	1				Figure 2
	Cu					1	1	1	1	1	1	1	1				
	Cu					2	2	2									
	Cu					3	3	3	2	1	1	1	1	1	1	1	
PDS230500	Al									1	1	1	1	1	1	1	Figure 2
	Cu									1	1	1	1	1	1	1	
	Cu					2	2	2	2								
	Cu					3	3	3									

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CAT. NO.	WIRE RANGE	MAX. CURRENT	TIGHTENING TORQUE	ALLEN HEX SOCKET HEAD TERMINAL SCREW	MOUNTING	OVERALL DIMENSIONS	COLOR	PKG. QTY.
Terminal Blocks								
PDS610	1/0 – 6 AWG Cu or Al	150A Cu/120A Al	90 lb.-in.	5mm	Top Hat Rail	.7"W x 1.9"H x 1.7"D	GRAY	30
PDS610B	1/0 – 6 AWG Cu or Al	150A Cu/120A Al	90 lb.-in.	5mm	Top Hat Rail	.7"W x 1.9"H x 1.7"D	BLUE	30
PDS610G	1/0 – 6 AWG Cu or Al	150A Cu/120A Al	90 lb.-in.	5mm	Top Hat Rail	.7"W x 1.9"H x 1.7"D	YELLOW GREEN	30
PDS3610	1/0 – 6 AWG Cu or Al	150A Cu/120A Al	90 lb.-in.	5mm	Top Hat Rail	1.9"W x 1.9"H x 1.7"D	GRAY	30
PDS440	4/0 – 4 AWG Cu or Al	230A Cu/180A Al	126 lb.-in.	5mm	Top Hat Rail or Screw	.9"W x 3.4"H x 1.9"D		30
PDS440B	4/0 – 4 AWG Cu or Al	230A Cu/180A Al	126 lb.-in.	5mm	Top Hat Rail or Screw	.9"W x 3.4"H x 1.9"D	BLUE	30
PDS440G	4/0 – 4 AWG Cu or Al	230A Cu/180A Al	126 lb.-in.	5mm	Top Hat Rail or Screw	.9"W x 3.4"H x 1.9"D	YELLOW GREEN	30
PDS2300	300 – 2 AWG Cu or Al	285A Cu/230A Al	216 lb.-in.	8mm	Top Hat Rail or Screw	1.2"W x 3.7"H x 2.3"D	GRAY	30
PDS2300B	300 – 2 AWG Cu or Al	285A Cu/230A Al	216 lb.-in.	8mm	Top Hat Rail or Screw	1.2"W x 3.7"H x 2.3"D	BLUE	30
PDS2300G	300 – 2 AWG Cu or Al	285A Cu/230A Al	216 lb.-in.	8mm	Top Hat Rail or Screw	1.2"W x 3.7"H x 2.3"D	YELLOW GREEN	30
PDS30500	500 – 3/0 AWG Cu or Al	380A Cu/310A Al	360 lb.-in.	8mm	Screw	1.5"W x 5.1"H x 2.6"D	GRAY	30
PDS30500B	500 – 3/0 AWG Cu or Al	380A Cu/310A Al	360 lb.-in.	8mm	Screw	1.5"W x 5.1"H x 2.6"D	BLUE	30
PDS30500G	500 – 3/0 AWG Cu or Al	380A Cu/310A Al	360 lb.-in.	8mm	Screw	1.5"W x 5.1"H x 2.6"D	YELLOW GREEN	30
Tapping Blocks								
PDS2610	1/0 – 6 AWG Cu or Al	150A Cu/120A Al	90 lb.-in.	5mm	Top Hat Rail	1.2"W x 1.9"H x 1.7"D	GRAY	30
PDS2610B	1/0 – 6 AWG Cu or Al	150A Cu/120A Al	90 lb.-in.	5mm	Top Hat Rail	1.2"W x 1.9"H x 1.7"D	BLUE	30
PDS2610G	1/0 – 6 AWG Cu or Al	150A Cu/120A Al	90 lb.-in.	5mm	Top Hat Rail	1.2"W x 1.9"H x 1.7"D	YELLOW GREEN	30
PDS2440	4/0 – 4 AWG Cu or Al	230A Cu/180A Al	126 lb.-in.	5mm	Top Hat Rail or Screw	1.7"W x 3.4"H x 1.9"D	GRAY	30
PDS2440B	4/0 – 4 AWG Cu or Al	230A Cu/180A Al	126 lb.-in.	5mm	Top Hat Rail or Screw	1.7"W x 3.4"H x 1.9"D	BLUE	30
PDS2440G	4/0 – 4 AWG Cu or Al	230A Cu/180A Al	126 lb.-in.	5mm	Top Hat Rail or Screw	1.7"W x 3.4"H x 1.9"D	YELLOW GREEN	30
PDS22300	300 – 2 AWG Cu or Al	285A Cu/230A Al	216 lb.-in.	8mm	Top Hat Rail or Screw	2"W x 3.7"H x 2.3"D	GRAY	30
PDS22300B	300 – 2 AWG Cu or Al	285A Cu/230A Al	216 lb.-in.	8mm	Top Hat Rail or Screw	2"W x 3.7"H x 2.3"D	BLUE	30
PDS22300G	300 – 2 AWG Cu or Al	285A Cu/230A Al	216 lb.-in.	8mm	Top Hat Rail or Screw	2"W x 3.7"H x 2.3"D	YELLOW GREEN	30
PDS230500	500 – 3/0 AWG Cu or Al	380A Cu/310A Al	360 lb.-in.	8mm	Screw	2.5"W x 5.1"H x 2.6"D	GRAY	30
PDS230500B	500 – 3/0 AWG Cu or Al	380A Cu/310A Al	360 lb.-in.	8mm	Screw	2.5"W x 5.1"H x 2.6"D	BLUE	30
PDS230500G	500 – 3/0 AWG Cu or Al	380A Cu/310A Al	360 lb.-in.	8mm	Screw	2.5"W x 5.1"H x 2.6"D	YELLOW GREEN	30