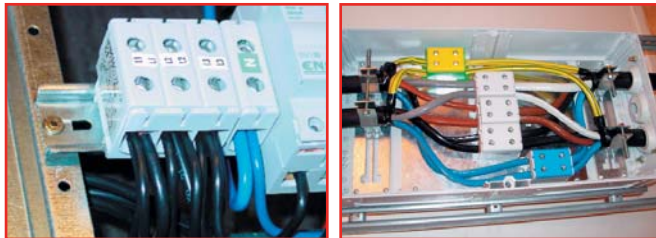


## Power Distribution Blocks

### Features

- Insulated housing provides fast, clean, safe installation and controlled dielectric strength
- Grooved contact surfaces penetrate conductor oxides for best contact
- Easily installed and position-locked with DIN rail or screw mounting



Blackburn Power Distribution Blocks are suitable for all panel building applications and various terminal enclosure solutions; for extending or branching the cables or changing the conductor type.

### Specifications

- Max. Voltage: 600V
- Max. Temperature: 80°C
- Flammability Rating: V-2 (UL94)
- Standard & Testing: UL1059, Category XCFR2, File Numbers E66436; SFS 2663; VDE 0220, Teil 1/11.71, Teil 2/11.71, Sen 241510, SEN 245012; IEC 61238 class B

### Typical Applications

- Ideal for OEM use in electrical, electronics, panel, switchboard, switchgear, automation and control manufacturing
- Also suitable for industrial/commercial retrofit contractors, installation technicians, maintenance and service providers
- Used in distribution panels, control boxes, automation products, ESS centers and more

### Terminal Blocks

- One-pole feedthrough terminal blocks
- Three-pole version (Cat. No. PDS3610) supports three-phase systems
- Designed for connecting or extending both aluminum and copper conductors

### Tapping Blocks

- One pole, four identical terminals
- Suitable for extending or branching both aluminum and copper conductors



### 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 block
- The conductor numbers below refer only to industrially installed power distribution blocks (internal connections in a panel)

Cross-sections of conductors (AWG/kcmil) and number of conductors/space.

Cat. No.	AWG/kcmil	8	6	4	3	2	1	1/0	2/0	3/0	4/0	250	300	350	400	500
PDS610	Al		1	1	1	1	1									
	Cu		1	1	1	1	1									
	Cu		2													
	Cu		3													
PDS3610	Al		1	1	1	1	1									
	Cu		1	1	1	1	1									
	Cu		2													
	Cu		3													
PDS440	Al			1	1	1	1	1	1	1	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	1	1	1
	Cu					1	1	1	1	1	1	1	1	1	1	1
	Cu					2	2	2								
	Cu					3										
PDS30500	Al									1	1	1	1	1	1	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	1								
	Cu		1	1	1	1	1	1								
	Cu		2													
	Cu		3													
PDS2440	Al			1	1	1	1	1	1	1	1					
	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	1	1	1
	Cu					1	1	1	1	1	1	1	1	1	1	1
	Cu					2	2	2								
	Cu					3										
PDS230500	Al									1	1	1	1	1	1	1
	Cu									1	1	1	1	1	1	1
	Cu					2	2	2	2							
	Cu					3	3	3								

## Power Distribution Blocks

Cat. No.	Wire Range	Max. Current	Tightening Torque	Allen Hex Socket Head Terminal Screw	Mounting	Dimensions W x H x D (in.)	Colour	Std. Pkg.
<b>Terminal Blocks</b>								
<b>PDS610</b>	1/0-6 AWG Cu or Al	150A Cu/ 120A Al	90 lb./in.	5 mm	Top Hat rail	0.7 x 1.9 x 1.7	Grey	30
<b>PDS610B</b>	1/0-6 AWG Cu or Al	150A Cu/ 120A Al	90 lb./in.	5 mm	Top Hat rail	0.7 x 1.9 x 1.7	Blue	30
<b>PDS610G</b>	1/0-6 AWG Cu or Al	150A Cu/ 120A Al	90 lb./in.	5 mm	Top Hat rail	0.7 x 1.9 x 1.7	Yellow - Green	30
<b>PDS3610</b>	1/0-6 AWG Cu or Al	150A Cu/ 120A Al	90 lb./in.	5 mm	Top Hat rail	1.9 x 1.9 x 1.7	Grey	30
<b>PDS440</b>	4/0-4 AWG Cu or Al	230A Cu/ 180A Al	126 lb./in.	5 mm	Top Hat rail or screw	0.9 x 3.4 x 1.7	Grey	30
<b>PDS440B</b>	4/0-4 AWG Cu or Al	230A Cu/ 180A Al	126 lb./in.	5 mm	Top Hat rail or screw	0.9 x 3.4 x 1.7	Blue	30
<b>PDS440G</b>	4/0-4 AWG Cu or Al	230A Cu/ 180A Al	126 lb./in.	5 mm	Top Hat rail or screw	0.9 x 3.4 x 1.7	Yellow - Green	30
<b>PDS2300</b>	300-2 AWG Cu or Al	285A Cu/ 230A Al	216 lb./in.	8 mm	Top Hat rail or screw	1.2 x 3.7 x 2.3	Grey	30
<b>PDS2300B</b>	300-2 AWG Cu or Al	285A Cu/ 230A Al	216 lb./in.	8 mm	Top Hat rail or screw	1.2 x 3.7 x 2.3	Blue	30
<b>PDS2300G</b>	300-2 AWG Cu or Al	285A Cu/ 230A Al	216 lb./in.	8 mm	Top Hat rail or screw	1.2 x 3.7 x 2.3	Yellow - Green	30
<b>PDS30500</b>	500-3/0 Cu or Al	380A Cu/ 310A Al	360 lb./in.	8 mm	Screw	1.5 x 5.1 x 2.6	Grey	30
<b>PDS30500B</b>	500-3/0 Cu or Al	380A Cu/ 310A Al	360 lb./in.	8 mm	Screw	1.5 x 5.1 x 2.6	Blue	30
<b>PDS30500G</b>	500-3/0 Cu or Al	380A Cu/ 310A Al	360 lb./in.	8 mm	Screw	1.5 x 5.1 x 2.6	Yellow - Green	30
<b>Tapping Blocks</b>								
<b>PDS2610</b>	1/0-6 AWG Cu or Al	150A Cu/ 120A Al	90 lb./in.	5 mm	Top Hat rail	1.2 x 1.9 x 1.7	Grey	30
<b>PDS2610B</b>	1/0-6 AWG Cu or Al	150A Cu/ 120A Al	90 lb./in.	5 mm	Top Hat rail	1.2 x 1.9 x 1.7	Blue	30
<b>PDS2610G</b>	1/0-6 AWG Cu or Al	150A Cu/ 120A Al	90 lb./in.	5 mm	Top Hat rail	1.2 x 1.9 x 1.7	Yellow - Green	30
<b>PDS2440</b>	1/0-6 AWG Cu or Al	150A Cu/ 120A Al	90 lb./in.	5 mm	Top Hat rail	1.7 x 3.4 x 1.9	Grey	30
<b>PDS2440B</b>	4/0-4 AWG Cu or Al	230A Cu/ 180A Al	126 lb./in.	5 mm	Top Hat rail or screw	1.7 x 3.4 x 1.9	Blue	30
<b>PDS2440G</b>	4/0-4 AWG Cu or Al	230A Cu/ 180A Al	126 lb./in.	5 mm	Top Hat rail or screw	1.7 x 3.4 x 1.9	Yellow - Green	30
<b>PDS22300</b>	4/0-4 AWG Cu or Al	230A Cu/ 180A Al	126 lb./in.	5 mm	Top Hat rail or screw	2 x 3.7 x 2.3	Grey	30
<b>PDS22300B</b>	300-2 AWG Cu or Al	285A Cu/ 230A Al	216 lb./in.	8 mm	Top Hat rail or screw	2 x 3.7 x 2.3	Blue	30
<b>PDS22300G</b>	300-2 AWG Cu or Al	285A Cu/ 230A Al	216 lb./in.	8 mm	Top Hat rail or screw	2 x 3.7 x 2.3	Yellow - Green	30
<b>PDS230500</b>	300-2 AWG Cu or Al	285A Cu/ 230A Al	216 lb./in.	8 mm	Top Hat rail or screw	2.5 x 5.1 x 2.6	Grey	30
<b>PDS230500B</b>	500-3/0 Cu or Al	380A Cu/ 310A Al	360 lb./in.	8 mm	Screw	2.5 x 5.1 x 2.6	Blue	30
<b>PDS230500G</b>	500-3/0 Cu or Al	380A Cu/ 310A Al	360 lb./in.	8 mm	Screw	2.5 x 5.1 x 2.6	Yellow - Green	30