

160, 162, 163, 164 and 165 UL Recognized open power distribution blocks

UL Recognized power distribution blocks offer a variety of lineside and loadside port configurations for greater flexibility in panel wiring and wire management.

These blocks are UL Recognized to UL 1059 and rated for use in UL 508A industrial control panels.

Blocks are factory configured in 1-, 2 and 3-pole versions, and have optional covers to enhance safety (order covers separately).



Ratings

- Volts 600 V
- Amps 175 to 1520 A
- SCCR up to 200 kA* (see table for SCCR by catalog number)

* Maximum SCCR contingent upon the application of an upstream current-limiting overcurrent protective device. See table for fusing requirements.

Conductors†

- Stranded 75°C copper and aluminum
- Higher temperature rated conductors permitted with appropriate derating

† As specified in the catalog number table.

Agency information

- UL 1059 Recognized, Guide XCFR2, File E62622
- CSA Certified, Class 6228-01, File 15364

Flammability rating

- UL 94 V0

Optional covers

- See table for catalog numbers and ordering details

How to order

From the catalog number tables, select the catalog number that defines the desired lineside/loadside port and conductor characteristics.

Add to the catalog number the suffix that defines the desired pole configuration. Note, you must select from the available number of poles for each catalog number. These appear in the second column of the catalog number tables.

Catalog number example — 16220-3 is a 3-pole 16220

Where:

- The prefix “16220” defines the block’s lineside characteristics (i.e., one conductor port per pole that accepts 2/0 - 14 Cu, or 2/0 - 8 Al conductors) and the loadside characteristics (i.e., four conductor ports per pole that each accepts 4 - 14 Cu or 4 - 8 Al conductors)
- The suffix “3” in this example defines this as a three-pole block
- See the catalog number tables for details on the available lineside/loadside characteristics

Dual wire port application

- Rated for dual wire port application to increase the possible number of lineside and loadside connections. E.g., 16220-1 can accept two wires into the lineside port (4 - 14 Cu, 4 - 8 Al) and two wires per port (eight connections total) on the loadside lug (8 - 14 Cu, 8 Al).
- Dual wire applications are only viable when using two wires of the same size, stranding, and insulating and conductor material.

Ferrule terminal application

- Bussmann series UL Recognized power distribution blocks are rated for use with UL Listed ferrules (see catalog number table for details).
- Ferrule applications allow for the use of a broader range of conductor stranding and simulate a more efficient, solid wire connection with the terminal port.
- Always use UL Listed ferrules in accordance with the manufacturer’s specifications and instructions.

Optional covers

For block catalog number starting	Order cover catalog number
160__	CPB160-(poles)*
162__	CPB162-(poles)*
163__	CPDB-(poles)*
165__	CPDB165**

* Order one cover for each block by specifying the number of poles in the catalog number suffix. E.g., For the block catalog number 16021-4, order the cover catalog number CPD160-4.

**Order one cover for each of the block’s poles. E.g., For block catalog number 16530-3, order three of cover catalog number CPDB165.

Lineside							Loadside					
Line/load port configuration	No. of poles	Current rating (A)	Wire size (Sol/ferrule unless noted)*	Wires per port	Torque N•m (lb-in)	Ports/pole	Wire size (Sol/ferrule unless noted)*	Wires per port	Torque N•m (lb-in)	Ports/pole	Max SCCR (kA)†	Catalog no.
	2, 3, 4	175	2/0 - 1 Cu/Al (Str)	1	13.6 (120)	1	4 - 6 Cu/Al (Str)	1	4.0 (35)	6	10	16021-_
			2 - 3 Cu/Al	1			8 Cu	1	2.8 (25)			
			4 - 8 Cu/Al	1-2			8 Al (Str)	1-2	2.8 (25)			
			10 - 14 Cu	1-2			10 - 14 Cu	1-2	2.3 (20)			
	1, 2, 3	175	2/0 - 1 Cu/Al (Str)	1	13.6 (120)	1	4 - 6 Cu/Al (Str)	1	4.0 (35)	4	200	16220-_
			2 - 3 Cu/Al	1			8 Cu	1	2.8 (25)			
			4 - 8 Cu/Al	1-2			8 Al (Str)	1-2	2.8 (25)			
			10 - 14 Cu	1-2			10 - 14 Cu	1-2	2.3 (20)			
	1, 2, 3	175	2/0 - 1 Cu/Al (Str)	1	13.6 (120)	1	4 - 6 Cu/Al (Str)	1	4.0 (35)	4	200	16220- _H †††
			2 - 3 Cu/Al	1			8 Cu	1	2.8 (25)			
			4 - 8 Cu/Al	1-2			8 Al (Str)	1-2	2.8 (25)			
			10 - 14 Cu	1-2			10 - 14 Cu	1-2	2.3 (20)			
	1, 2, 3	175	2/0 - 1 Cu/Al (Str)	1	13.6 (120)	1	4 - 6 Cu/Al (Str)	1	4.0 (35)	6	200	16321-_
			2 - 3 Cu/Al	1			8 Cu	1	2.8 (25)			
			4 - 8 Cu/Al	1-2			8 Al (Str)	1-2	2.8 (25)			
			10 - 14 Cu	1-2			10 - 14 Cu	1-2	2.3 (20)			
	2,3,4	310	350kcmil - 2/0 Cu/Al (Str)	1	31.1 (275)††	1	4 - 6 Cu/Al (Str)	1	4.0 (35)	6	10	16023-_
			1/0 Cu/Al (Str)	1-2			8 Cu	1	2.8 (25)			
			1 - 6 Cu/Al	1-2			8 Al (Str)	1-2	2.8 (25)			
			10 - 14 Cu	1-2			10 - 14 Cu	1-2	2.3 (20)			
	1, 2, 3	310	350kcmil - 2/0 Cu/Al (Str)	1	31.1 (275)††	1	4 - 6 Cu/Al (Str)	1	4.0 (35)	6	200	16323-_
			1/0 Cu/Al (Str)	1-2			8 Cu	1	2.8 (25)			
			1 - 6 Cu/Al	1-2			8 Al (Str)	1-2	2.8 (25)			
			10 - 14 Cu	1-2			10 - 14 Cu	1-2	2.3 (20)			
	1, 2, 3	310	350kcmil - 2/0 Cu/Al (Str)	1	31.1 (275)††	1	2 - 3 Cu/Al (Str)	1	5.6 (50)	3	10	16332-_
			4 Cu/Al	1			5.1 (45)					
			6 Cu/Al	1-2			4.5 (40)					
			8 Cu/Al	1-2			4.0 (35)					
			10 - 14 Cu	1-2			13.6 (120)	2				
			1/0 - 3 Cu/Al (Str)	1			2.8 (25)					
			4 Cu	1			2.3 (20)					
			4 - 8 Al (Str)	1-2			2.3 (20)					
	1, 2, 3	310	350kcmil - 2/0 Cu/Al (Str)	1	31.1 (275)††	1	6 - 14 Cu	1-2	2.3 (20)	6	200	16370-_
			4 - 6 Cu/Al (Str)	1			4.0 (35)					
			8 Cu	1			2.8 (25)					
			8 Al (Str)	1-2			2.8 (25)					
	1, 2, 3	310	10 - 12 Al (Str)	1	31.1 (275)††	1	10 - 14 Cu	1-2	2.3 (20)	12	200	16370-_
			1 - 6 Cu/Al	1-2			10 - 14 Cu	1-2	2.3 (20)			
			350kcmil - 2/0 Cu/Al (Str)	1			2 - 3 Cu/Al (Str)	1	5.6 (50)			
			4 - 6 Cu/Al (Str)	1			5.1 (45)					
	1, 2, 3	310	8 Cu/Al (Str)	1	31.1 (275)††	1	8 Cu/Al (Str)	1	4.5 (40)	6	200	16371-_
			10 - 14 Cu (Str)	1			4.0 (35)					
			1/0 - 3 Cu/Al (Str)	1			13.6 (120)	3				
			4 - 8 Cu/Al	1			2.8 (25)					
	1, 2, 3	310	10 - 14 Cu	1	31.1 (275)††	1	10 - 14 Cu	1	13.6 (120)	3	20	16372-_
			1 - 6 Cu/Al	1-2			6 - 14 Cu	2	2.3 (20)			
			350kcmil - 2/0 Cu/Al (Str)	1			4 - 8 Al (Str)	2	2.3 (20)			
			10 Cu/Al	1			0.8 (7)					
	1, 2, 3	310	12 - 14 Cu	1	31.1 (275)††	1	12 - 14 Cu	1	0.8 (7)	21	10	16372-_
			1 - 6 Cu/Al	1-2			10 - 14 Cu	1	0.8 (7)			
			10 - 14 Cu	1			0.8 (7)					

* 75°C wire (higher temperature rated wire acceptable with appropriate derating). Using a ferrule on a stranded conductor requires a correctly sized UL Listed ferrule (customer supplied) applied according to the manufacturer's specifications. Ferrule ratings apply to copper wire only.

** Not covered by CSA certification.

† See Short-Circuit Current Ratings table for the tested upstream overcurrent protective devices necessary for achieving these SCCRs.

†† Torque rating for dual wire and ferrule application is 30.5 N•m (270 lb-in).

††† Configuration includes hex screws.

Line/load port configuration	No. of poles	Current rating (A)	Lineside				Loadside					
			Wire size (Sol/ferrule unless noted)*	Wires per port	Torque N•m (lb-in)	Ports/pole	Wire size (Sol/ferrule unless noted)*	Wires per port	Torque N•m (lb-in)	Ports/pole	Max SCCR (kA) [†]	Catalog no.
	1, 2, 3	310	350kcmil - 2/0 Cu/Al (Str)	1	31.1 (275) ^{††}	1	10 Cu/Al	1	0.8 (7)	14	10	16373-
			1/0 Cu/Al (Str)	1-2			12 - 14 Cu	1				
			1 - 6 Cu/Al	1-2			1/0 - 3 Cu/Al (Str)	1				
	1, 2, 3	350	2/0 - 1 Cu/Al (Str)	1	13.6 (120)	2	4 Cu	1	13.6 (120)	3	10	16325-
			2 - 3 Cu/Al	1			6 - 14 Cu	1-2				
			4 - 8 Cu/Al	1-2			4 - 8 Al (Str)	1-2				
	1, 2, 3	380	500kcmil - 4/0 Cu/Al (Str)	1	56.5 (500)	1	10 - 14 Cu	1	4.0 (35)	6	10	16330-
			3/0 - 1/0 Cu/Al (Str)	1-2			2 - 3 Cu/Al (Str)	1				
			1 - 6 Cu/Al	1-2			4 Cu/Al	1				
	1, 2, 3	380	500kcmil - 4/0 Cu/Al (Str)	1	56.5 (500)	1	6 Cu/Al	1-2	5.1 (45)	3	10	16335-
			3/0 - 1/0 Cu/Al (Str)	1-2			8 Cu/Al	1-2				
			1 - 6 Cu/Al	1-2			10 - 14 Cu	1-2				
	1, 2, 3	380	500kcmil - 4/0 Cu/Al (Str)	1	56.5 (500)	1	1/0 - 3 Cu/Al (Str)	1	13.6 (120)	2	10	16541-
			3/0 - 1/0 Cu/Al (Str)	1-2			4 Cu	1				
			1 - 6 Cu/Al	1-2			4 - 8 Al (Str)	1-2				
	1, 2, 3	420	600kcmil - 2 Cu/Al (Str)	1	56.5 (500)	1	6 - 14 Cu	1-2	4.0 (35)	12	10	16375-
							8 Cu	1				
							8 Al (Str)	1-2				

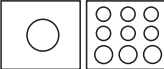
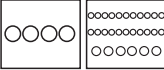
* 75°C wire (higher temperature rated wire acceptable with appropriate derating). Using a ferrule on a stranded conductor requires a correctly sized UL Listed ferrule (customer supplied) applied according to the manufacturer's specifications. Ferrule ratings apply to copper wire only.

† See Short-Circuit Current Ratings table for the tested upstream overcurrent protective devices necessary for achieving these SCCR's.

††Dual wire and ferrule application torque rating = 30.5 N•m (270 lb-in).

Short-Circuit Current Rating (SCCR) data

Catalog no.	No. of poles	Conductors (AWG/kcmil)		Fuse Class/Bussmann series symbol/amp rating				
		Lineside	Loadside	J — LPJ	RK1 — LPN-RK (250 V), LPS-RK (600 V)	RK5 — FRN-R (250 V), FRS-R (600 V)	T — JJN (300 V), JJS (600 V)	SCCR (kA)
16220-__	1, 2, 3	2/0 - 8	4 - 12	200	200	60	200	200
			4 - 14	175	100	60	175	100
16321-__	1, 2, 3	2/0 - 8	4 - 12	400	200	100	400	200
				175	100	60	175	100
16323-__	1, 2, 3	350 - 4	4 - 8	400	200	100	400	200
			4 - 12	175	100	60	175	100
16370-__	1, 2, 3	350 - 4	4 - 8	400	200	100	400	200
			4 - 14	175	100	60	175	100
16371-__	1, 2, 3	350 - 4	1/0 - 6	400	200	100	400	200
			1/0 - 12	175	100	60	175	100

Line/load port configuration	No. of poles	Current rating (A)	Lineside				Loadside					Max SCCR (kA)†	Catalog no.								
			Wire size (Str/ferrule unless noted)*	Wires per port	Torque N•m (lb-in)	Ports/pole	Wire size (Str/ferrule unless noted)*	Wires per port	Torque N•m (lb-in)	Ports/pole											
	1, 2, 3	420	600kcmil - 2 Cu/Al (Str)	1	56.5 (500)	1	2 - 3 Cu/Al (Str)	1	5.6 (50)	6	10	16376- <u> </u>									
							4 Cu/Al	1	5.1 (45)												
							6 Cu/Al	1-2	4.5 (40)												
							8 Cu/Al	1-2	4.0 (35)												
							10 - 14 Cu	1-2	13.6 (120)	3											
							1/0 - 3 Cu/Al (Str)	1													
							4 Cu	1													
							6 - 14 Cu	1-2													
	1, 2, 3	570	300kcmil - 2/0 Cu/Al (Str)	1	31.1 (275)††	2	4 - 6 Cu/Al (Str)	1	4.0 (35)	12	10	16377- <u> </u>									
			1/0 Cu/Al (Str)	1-2			8 Cu	1	2.8 (25)												
			1 - 2 Cu/Al	1-2			8 Al (Str)	1-2	2.3 (20)												
			4 Cu/Al (Str)	1-2			10 - 12 Al (Str)	1													
							10 - 14 Cu	1-2													
				1, 2, 3			760	500kcmil - 4/0 Cu/Al (Str)	1				56.5 (500)	2	4 - 6 Cu/Al (Str)	1	4.0 (35)	12	10	16530- <u> </u>	
								3/0 - 1/0 Cu/Al (Str)	1-2						8 Cu	1	2.8 (25)				
															8 Al (Str)	1-2	2.3 (20)				
		10 - 14 Al (Str)			1																
1 - 6 Cu/Al	1-2	10 - 14 Cu			1-2																
	1, 2, 3	840			600kcmil - 2 Cu/Al	1		56.5 (500)	2	3/0 - 6 Cu/Al (Str)	1	13.6 (120)			4	10	16528- <u> </u>				
										4 - 6 Cu/Al (Str)	1	4.0 (35)									
										8 Cu	1	2.8 (25)									
			8 Al (Str)	1-2			2.3 (20)														
							10 - 14 Al (Str)			1											
							10 - 14 Cu			1-2											
				1			1520			500kcmil - 4/0 Cu/Al (Str)	1	56.5 (500)	4	2 - 3 Cu/Al (Str)	1			5.6 (50)	22	10	16400
														4 Cu/Al	1			5.1 (45)			
		6 Cu/Al			1-2	4.5 (40)															
		8 Cu/Al			1-2	4.0 (35)															
3/0 - 1/0 Cu/Al (Str)	1-2	10 - 14 Cu			1-2	4.0 (35)		6													
		1/0 - 3 Cu/Al (Str)			1																
		4 Cu			1	13.6 (120)															
		4 - 8 Al (Str)			1-2																
		6 - 14 Cu			1-2																
		1 - 6 Cu/Al			1-2																

* 75°C wire (higher temperature rated wire acceptable with appropriate derating). Using a ferrule on a stranded conductor requires a correctly sized UL Listed ferrule (customer supplied) applied according to the manufacturer's specifications. Ferrule ratings apply to copper wire only.

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††Dual wire and ferrule application torque rating = 30.5 N•m (270 lb-in).