UL Recognized power distribution blocks

Catalog symbols:

- 160__-(poles)
- 162__-(poles)
- 163__-(poles)
- 164__-(poles)
- 165__-(poles)

Description:

Bussmann™ series UL® Recognized power distribution blocks offer a variety of lineside and loadside port configurations to provide 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 (order covers separately).

Powering Business Worldwide

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.

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.

Specifications:

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.

Flammability rating

- UL 94 V0

Storage and operating temperature range

- -4°F to 248°F (-20°C to 120°C)

Agency information

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

Conductors†

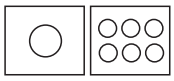
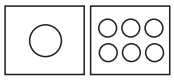
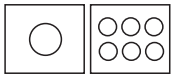
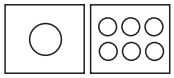
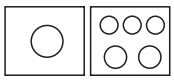
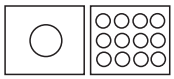
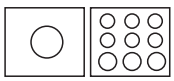
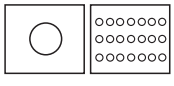
- Stranded 75°C copper and aluminum
- Higher temperature rated conductors permitted with appropriate derating

† As specified in the catalog number table.

Optional covers

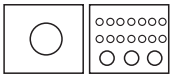
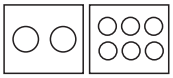
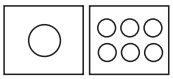
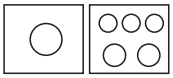
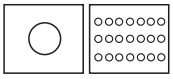
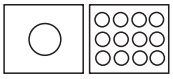
- See table for catalog numbers and ordering details

Catalog numbers:

Line/load port configuration	No. of poles	Current rating (A)	Lineside				Loadside				Max SCCR (kA)†	Catalog Number
			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		
	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				
			#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				
			#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				
			#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				
			#10 - #14 Cu	1-2			#10 - #14 Cu	1-2	2.3 (20)			
	2,3,4	310	350 kcmil - 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)			
							#8 Al (Str)	1-2				
			#1 - #6 Cu/Al	1-2			#10 - #12 Al (Str)	1	2.3 (20)			
							#10 - #14 Cu	1-2				
	1, 2, 3	310	350 kcmil - 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)			
							#8 Al (Str)	1-2				
			#1 - #6 Cu/Al	1-2			#10 - #12 Al (Str)	1	2.3 (20)			
							#10 - #14 Cu	1-2				
	1, 2, 3	310	350 kcmil - 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				
							#8 Cu/Al	1-2	4.5 (40)			
			1/0 Cu/Al (Str)	1-2			#10 - #14 Cu	1-2	4.0 (35)			
							1/0 - #3 Cu/Al (Str)	1	13.6 (120)	2		
							#4 Cu	1				
			#1 - #6 Cu/Al	1-2			#4 - #8 Al (Str)	1-2				
							#6 - #14 Cu	1-2				
	1, 2, 3	310	350 kcmil - 2/0 Cu/Al (Str)	1	31.1 (275)††	1	#4 - #6 Cu/Al (Str)	1	4.0 (35)	12	200	**16370-_**
			1/0 Cu/Al (Str)	1-2			#8 Cu	1	2.8 (25)			
							#8 Al (Str)	1-2				
			#1 - #6 Cu/Al	1-2			#10 - #12 Al (Str)	1	2.3 (20)			
							#10 - #14 Cu	1-2				
	1, 2, 3	310	350 kcmil - 2/0 Cu/Al (Str)	1	31.1 (275)††	1	#2 - #3 Cu/Al (Str)	1	5.6 (50)	6	200	**16371-_**
							#4 - #6 Cu/Al (Str)	1	5.1 (45)			
							#8 Cu/Al (Str)	1	4.5 (40)			
							#10 - #14 Cu (Str)	1	4.0 (35)			
			1/0 Cu/Al (Str)	1-2			1/0 - #3 Cu/Al (Str)	1	13.6 (120)	3		
							#4 - #8 Cu/Al	1				
							#10 - #14 Cu	1				
			#1 - #6 Cu/Al	1-2			#6 - #14 Cu	2				
							#4 - #8 Al (Str)	2				
	1, 2, 3	310	350 kcmil - 2/0 Cu/Al (Str)	1	31.1 (275)††	1	#10 Cu/Al	1	0.8 (7)	21	10	**16372-_**
			1/0 Cu/Al (Str)	1-2			#12 - #14 Cu	1				
			#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.
** 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.

Catalog numbers cont.:

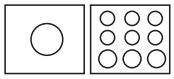
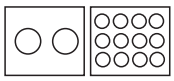
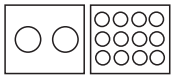
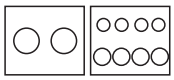
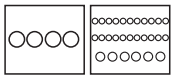
Line/load port configuration	No. of poles	Current rating (A)	Lineside				Loadside				Max SCCR (kA)†	Catalog number
			Wire size (Sol/ferrule unless noted)*	Wires per port	Torque N•m (Lb-in)	Ports/ pole	Wire size (Sol/ferrule unless noted)*	Wires per port	Torque N•m (Lb-in)	Ports/ pole		
	1, 2, 3	310	350 kcmil - 2/0 Cu/Al (Str)	1	31.1 (275)††	1	#10 Cu/Al	1	0.8 (7)	14	10	**16373-_**
							#12 - #14 Cu	1				
			1/0 Cu/Al (Str)	1-2			1/0 - #3 Cu/Al (Str)	1	13.6 (120)	3		
							#4 Cu	1				
			#1 - #6 Cu/Al	1-2			#6 - #14 Cu	1-2				
							#4 - #8 Al (Str)	1-2				
							#10 - #14 Al (Str)	1				
	1, 2, 3	350	2/0 - #1 Cu/Al (Str)	1	13.6 (120)	2	#4 - #6 Cu/Al (Str)	1	4.0 (35)	6	10	**16325-_**
			#2 - #3 Cu/Al	1			#8 Cu	1	2.8 (25)			
			#4 - #8 Cu/Al	1-2			#8 Al (Str)	1-2				
			#10 - #14 Cu	1-2			#10 - #14 Cu	1-2	2.3 (20)			
	1, 2, 3	380	500 kcmil - 4/0 Cu/Al (Str)	1	56.5 (500)	1	#2 - #3 Cu/Al (Str)	1	5.6 (50)	6	10	**16330-_**
							#4 Cu/Al	1	5.1 (45)			
			3/0 - 1/0 Cu/Al (Str)	1-2			#6 Cu/Al	1-2				
							#8 Cu/Al	1-2	4.5 (40)			
			#1 - #6 Cu/Al	1-2			#10 - #12 Al (Str)	1	4.0 (35)			
							#10 - #14 Cu	1-2				
	1, 2, 3	380	500 kcmil - 4/0 Cu/Al (Str)	1	56.5 (500)	1	#2 - #3 Cu/Al (Str)	1	5.6 (50)	3	10	**16335-_**
							#4 Cu/Al	1	5.1 (45)			
			3/0 - 1/0 Cu/Al (Str)	1-2			#6 Cu/Al	1-2				
							#8 Cu/Al	1-2	4.5 (40)			
							#10 - #14 Cu	1-2	4.0 (35)			
			#1 - #6 Cu/Al	1-2			1/0 - #3 Cu/Al (Str)	1	13.6 (120)	2		
							#4 Cu	1				
							#4 - #8 Al (Str)	1-2				
							#6 - #14 Cu	1-2				
	1, 2, 3	380	500 kcmil - 4/0 Cu/Al (Str)	1	56.5 (500)	1	#6 Cu/Al (Str)	1	4.0 (35)	21	10	**16541-_**
			3/0 - 1/0 Cu/Al (Str)	1-2			#8 Cu	1	2.8 (25)			
							#8 Al (Str)	1-2				
			#1 - #6 Cu/Al	1-2			#10 - #14 Al (Str)	1	2.3 (20)			
							#10 - #14 Cu	1-2				
	1, 2, 3	420	600 kcmil - #2 Cu/Al (Str)	1	56.5 (500)	1	#4 - #6 Cu/Al (Str)	1	4.0 (35)	12	10	**16375-_**
							#8 Cu	1	2.8 (25)			
							#8 Al (Str)	1-2				
							#10 - #12 Al (Str)	1	2.3 (20)			
							#10 - #14 Cu	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 SCCRs.
†† Dual wire and ferrule application torque rating = 30.5 N•m (270 Lb-in).

Short-Circuit Current Rating (SCCR) data:

Catalog number	No. of poles	Conductors (AWG or kcmil)		Fuse Class/Bussmann series symbol/ampacity				
		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
16220-_	1, 2, 3	2/0 - #8	#4 - #12	200	200	60	200	200 kA
			#4 - #14	175	100	60	175	100 kA
16321-_	1, 2, 3	2/0 - #8	#4 - #12	400	200	100	400	200 kA
				175	100	60	175	100 kA
16323-_	1, 2, 3	350 - #4	#4 - #8	400	200	100	400	200 kA
			#4 - #12	250	100	60	175	100 kA
16370-_	1, 2, 3	350 - #4	#4 - #8	400	200	100	400	200 kA
			#4 - #14	175	100	60	175	100 kA
16371-_	1, 2, 3	350 - #4	1/0 - #6	400	200	100	400	200 kA
			1/0 - #12	175	100	60	175	100 kA

Catalog numbers cont.:

Line/load port configuration	No. of poles	Current rating (A)	Lineside Wire size (Str/ferrule unless noted)*	Lineside Wires per port	Lineside Torque N•m (Lb-in)	Lineside Ports/ pole	Loadside Wire size (Str/ferrule unless noted)*	Loadside Wires per port	Loadside Torque N•m (Lb-in)	Loadside Ports/ pole	Max SCCR (kA)†	Catalog number
	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-_**
							#4 Cu/Al	1	5.1 (45)			
							#6 Cu/Al	1-2				
							#8 Cu/Al	1-2	4.5 (40)			
							#10 - #14 Cu	1-2	4.0 (35)			
							1/0 - #3 Cu/Al (Str)	1	13.6 (120)	3		
							#4 Cu	1				
							#6 - #14 Cu	1-2				
							#4 - #8 Al (Str)	1-2				
	1, 2, 3	570	300 kcmil - 2/0 Cu/Al (Str)	1	31.1 (275)††	2	#4 - #6 Cu/Al (Str)	1	4.0 (35)	12	10	**16377-_**
			1/0 Cu/Al (Str)	1-2			#8 Cu	1	2.8 (25)			
			#1 - #2 Cu/Al	1-2			#8 Al (Str)	1-2				
			#4 Cu/Al (Str)	1-2			#10 - #12 Al (Str)	1	2.3 (20)			
							#10 - #14 Cu	1-2				
	1, 2, 3	760	500 kcmil - 4/0 Cu/Al (Str)	1	56.5 (500)	2	#4 - #6 Cu/Al (Str)	1	4.0 (35)	12	10	**16530-_**
			3/0 - 1/0 Cu/Al (Str)	1-2			#8 Cu	1	2.8 (25)			
							#8 Al (Str)	1-2				
			#1 - #6 Cu/Al	1-2			#10 - #14 Al (Str)	1	2.3 (20)			
							#10 - #14 Cu	1-2				
	1, 2, 3	840	600 kcmil - #2 Cu/Al	1	56.5 (500)	2	3/0 - #6 Cu/Al (Str)	1	13.6 (120)	4	10	**16528-_**
							#4 - #6 Cu/Al (Str)	1	4.0 (35)			
							#8 Cu	1	2.8 (25)			
							#8 Al (Str)	1-2				
							#10 - #14 Al (Str)	1	2.3 (20)			
							#10 - #14 Cu	1-2				
	1	1520	500 kcmil - 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				
							#8 Cu/Al	1-2	4.5 (40)			
			3/0 - 1/0 Cu/Al (Str)	1-2			#10 - #14 Cu	1-2	4.0 (35)			
							1/0 - #3 Cu/Al (Str)	1	13.6 (120)	6		
							#4 Cu	1				
			#1 - #6 Cu/Al	1-2			#4 - #8 Al (Str)	1-2				
							#6 - #14 Cu	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 SCCRs.
†† Dual wire and ferrule application torque rating = 30.5 N•m (270 Lb-in).

Dual wire port application

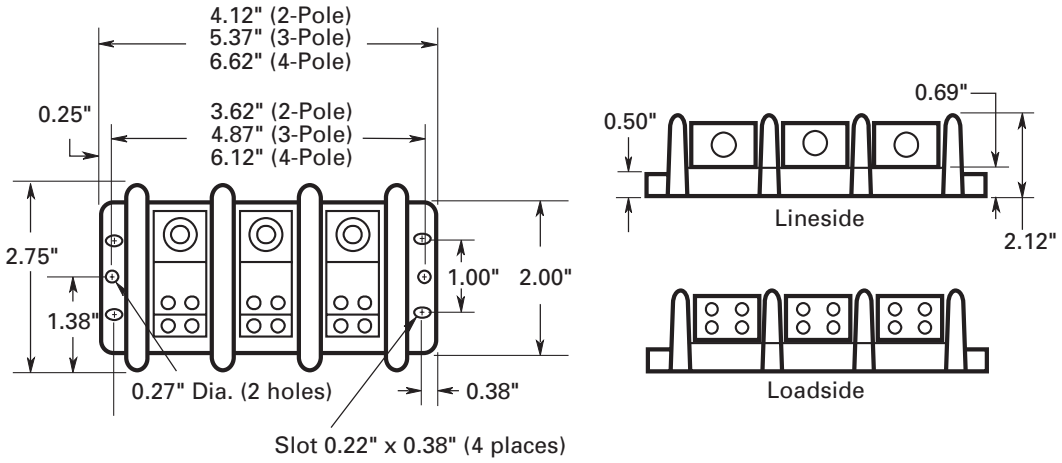
- Rated for dual wire port application to increase the possible number of lineside and loadside connections. E.g., 16220-1 can accept two wires into the lineside port (#4 - #14 Cu, #4 - #8 Al) and two wires per port (eight connections total) on the loadside lug (#8 - #14 Cu, #8 Al).
- Dual wire applications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

Ferrule terminal application

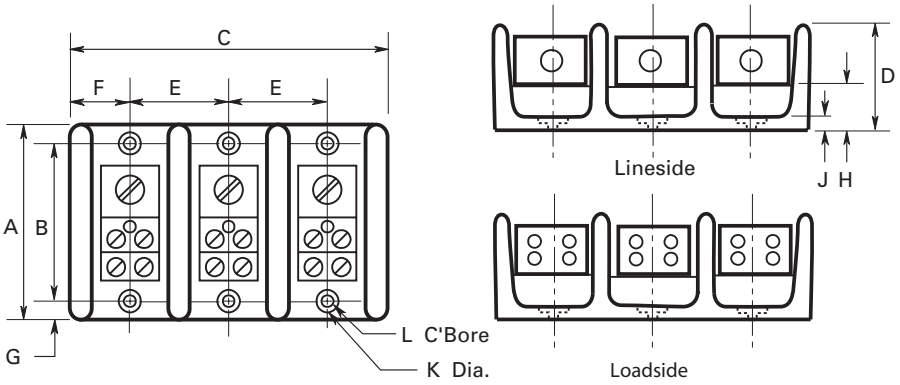
- Bussmann series UL Recognized power distribution blocks are rated for use with UL Listed ferrules (see catalog number table for details).
- Ferrule applications allow for the use of a broader range of conductor stranding and simulate a more efficient, solid wire connection with the terminal port.
-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

Dimensions — in

160_ blocks



162_, 163_ and 165_ blocks



Catalog number prefix	A	B	C1	C2	C3	D	E	F	G	H	J	K	L
162_	2.88	2.25	1.07	1.88	2.70	1.75	0.82	0.54	0.32	0.84	0.31	0.20	0.41
163_	4.0	3.38	1.98	3.60	5.21	3.32	1.62	0.99	0.31	0.88	0.35	Slot 0.20" wide x 0.41" long	Slot 0.42" wide x 0.62" long
165_	5.5	4.75	3.11	5.76	8.48	2.94	2.69	1.55	0.36	1.19	0.44	Slot 0.20" wide x 0.33" long	Slot 0.41" wide x 0.53" long

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.

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
Eaton.com

Bussmann Division
114 Old State Road
Ellisville, MO 63021
United States
Eaton.com/bussmannseries

Printed in USA
Publication No. 10533 — BU-MC16056
January 2023

For Eaton's Bussmann series product information, call **1-855-287-7626** or visit: **Eaton.com/bussmannseries**

Follow us on social media to get the latest product and support information.

Powering Business Worldwide