

# Fuji Molded Case Circuit Breakers Wire Range Specifications

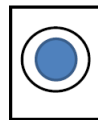


## Wiring

- When connecting the wires, follow NEC (National Electric Code, USA) or CEC (Canadian Electrical code Part 1, Canada) instructions.
- Use copper wire rated for 75°C (167°F) for connecting. UL or CSA approved wire is recommended.
- Tighten the wire connections adequately, as a very large electromagnetic force will be generated when short circuit current is generated.
- Perform additional tightening of the terminal screws periodically.



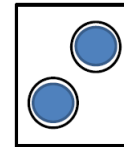
- Adhere to the allowable number of strands of wire indicated in the table on the left.
- Two wires cannot be connected together to a single connecting hole of lug terminal except BW400SAGU-3P400SB.
- Follow the number of strands of wire indicated on the table. (Wire size and number of wire strands not listed on table can not be connected)
- Do not solder the end of the wire.



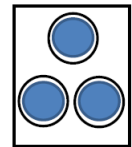
Rated current  
15A to 350A



Rated current  
400A  
3/0 AWG x 2  
19 strands each



Rated current  
500A to 700A



Rated current  
800A  
300 MCM x 3  
37 strands each

Allowable Wire Specifications for Lug Terminals	
Wire Size AWG or MCM (mm <sup>2</sup> )	Number of Wire Strands
14 to 2 (2.1 to 33.6)	7
1 to 4/0 (42.4 to 107.2)	19
250 to 500 (127 to 250)	37

Allowable Wire Sizes and Tightening Torque			
Type	Rated Current (A)	Wire Size (AWG or MCM [mm <sup>2</sup> ])	Tightening Torque
			Lug Terminal*
BW125	15	14 AWG [2.1 mm <sup>2</sup> ]	51 lb•in [5.8 N•m]
	20	12 AWG [3.3 mm <sup>2</sup> ]	
	30	10 AWG [5.3 mm <sup>2</sup> ]	
	40	8 AWG [8.4 mm <sup>2</sup> ]	
	50	8 AWG [8.4 mm <sup>2</sup> ]	
	60	6 AWG [13.3 mm <sup>2</sup> ]	
	70	4 AWG [21.1 mm <sup>2</sup> ]	
	75	4 AWG [21.1 mm <sup>2</sup> ]	
	80	4 AWG [21.1 mm <sup>2</sup> ]	
	90	3 AWG [26.7 mm <sup>2</sup> ]	
	100	3 AWG [26.7 mm <sup>2</sup> ]	
BW250	125	1 AWG [42.4 mm <sup>2</sup> ]	204 lb•in [23 N•m]
	150	1/0 AWG [53.5 mm <sup>2</sup> ]	
	175	2/0 AWG [67.4 mm <sup>2</sup> ]	
	200	3/0 AWG [85.0 mm <sup>2</sup> ]	
	225	4/0 AWG [107.2 mm <sup>2</sup> ]	
	250	250 MCM [127 mm <sup>2</sup> ]	
BW400	250	250 MCM [127mm <sup>2</sup> ]	385 lb•in [43.5 N•m]
	300	350 MCM [177mm <sup>2</sup> ]	
	350	500 MCM [253mm <sup>2</sup> ]	
	400	3/0 AWGx2 [85.0 mm <sup>2</sup> x2]	282 lb•in [31.9 N•m]
BW630	500	250 MCMx2	275 lb•in [31.07 N•m]
	600	350 MCMx2	
BW800	700	500 MCMx2	275 lb•in [31.07 N•m]
	800	300 MCMx3	

\*Lug terminals are supplied as standard.  
Note: Terminals are factory-installed only for BW400, BW630 and BW800 series.  
No replacement terminals available.