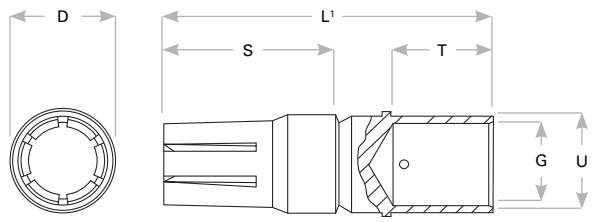
Contacts & Tooling

Contact Size	Contact Style	Part Number	Pneumatic Crimping Tool	Positioner	Die	Extraction Tool
#4/0	Socket	CLSS40	TU2301	TP2316	TD2307	TX2701
	Pin	CLPP40				
#4/0N		CLPP40N				
#1/0	Socket	CLSS10	TU2301	TP2314	TD2305	TX2703
	Pin	CLPP10				
#1/0N		CLPP10N				
#4	Socket	CLSS04	TU2301	TP2312	TD2304	TX2705
	Pin	CLPP04				
#4N		CLPP04N				
#4G	Socket	CLSS04G				
	Pin	CLPP04G				
#6	Socket	CLSS06	TU2301	TP2310	TD2303	TX2706
	Pin	CLPP06				
#6N		CLPP06N				
#6G	Socket	CLSS06G				
	Pin	CLPP06G				

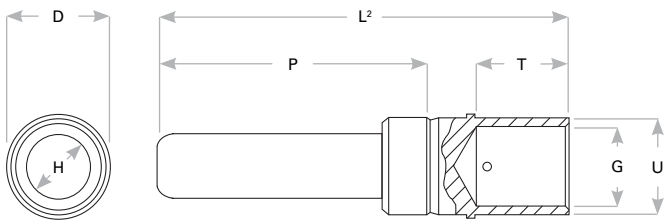
Contact Dimensions

Contact Size	Part Number	Contact Style	Wire Well Size	L[1]	S	D Dia	T	U Dia	G Dia	H Dia	L[2]	P
#4/0	CLSS40	Socket	4/0	2.393 (60.8)	1.283 (32.6)	.781 (19.8)	.750 (19.1)	.750 (19.1)	.641 (16.3)	—	3.207 (81.5)	2.097 (53.3)
	CLPP40	Pin								.500 (12.7)		
#4/0N	CLPP40N			—	—						3.325 (84.5)	2.215 (56.3)
#1/0	CLSS10	Socket	1	2.393 (60.8)	1.283 (32.6)	.609 (15.5)	.750 (19.1)	.506 (12.9)	.406 (10.3)	—	3.207 (81.5)	2.097 (53.3)
	CLPP10	Pin								.357 (9.1)		
#1/0N	CLPP10N			—	—						3.325 (84.5)	2.215 (56.3)
#4	CLSS04	Socket	4	2.206 (56.0)	1.158 (29.4)	.417 (10.6)	.750 (19.1)	.374 (9.5)	.281 (7.1)	—	2.786 (70.8)	1.738 (44.2)
	CLPP04	Pin								.225 (5.7)		
#4N	CLPP04N			—	—						2.904 (73.8)	1.856 (47.1)
#4G	CLSS04G	Socket	4	2.862 (72.7)	1.752 (44.5)	.417 (10.6)	.750 (19.1)	.374 (9.5)	.281 (7.1)	—	2.856 (72.5)	1.746 (44.4)
	CLPP04G	Pin								.225 (5.7)		
#6	CLSS06	Socket	6	2.206 (56.0)	1.158 (29.4)	.342 (8.7)	.750 (19.1)	.312 (7.9)	.234 (5.9)	—	2.786 (70.8)	1.738 (44.2)
	CLPP06	Pin								.178 (4.5)		
#6N	CLPP06N			—	—						2.904 (73.8)	1.856 (47.1)
#6G	CLSS06G	Socket	6	2.862 (72.7)	1.752 (44.5)	.342 (8.7)	.750 (19.1)	.312 (7.9)	.234 (5.9)	—	2.856 (72.5)	1.746 (44.4)
	CLPP06G	Pin								.178 (4.5)		

Dimensions are in inches (mm).



Socket Contact



Pin Contact

Current Rating By Contact & Shell Size

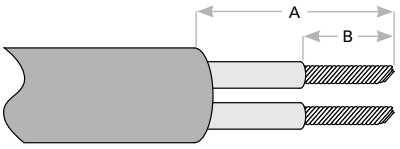
Shell Size	Contact Size			
	#6	#4	#1/0	#4/0
28	40A			
32		60A		
44			100A	
52				200A

Cable & Wire Jacket Strip Lengths

Shell Size	A Cable Jacket Strip Length
28	3.00 (76.2)
32	3.00 (76.2)
44	4.25 (108.0)
52	5.00 (127.0)

Contact Size	B Wire Jacket Strip Length
#6	.750 (19.1)
#4	.750 (19.1)
#1/0	.750 (19.1)
#2/0	.750 (19.1)
#4/0	.750 (19.1)

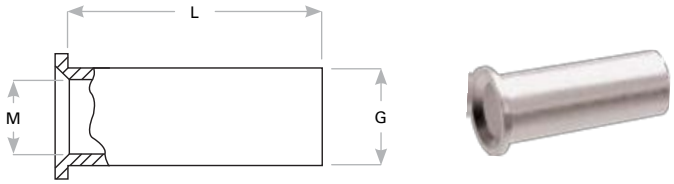
Dimensions are in inches (mm) unless otherwise noted.



Contact Reducing Bushings

Bushing Part Number	Contact Size	Wire Size	M Inner Dia	G Outer Dia	L Length
CRB6-10	#6	#10	.136 (3.5)	.225 (5.7)	.700 (17.8)
CRB6-9	#6	#9	.155 (3.9)	.225 (5.7)	.700 (17.8)
CRB6-8	#6	#8	.185 (4.7)	.225 (5.7)	.700 (17.8)
CRB4-8	#4	#8	.185 (4.7)	.272 (6.9)	.700 (17.8)
CRB4-6	#4	#6	.225 (5.7)	.272 (6.9)	.700 (17.8)
CRB4-5	#4	#5	.250 (6.6)	.272 (6.9)	.700 (17.8)
CRB1-6	#1	#6	.225 (5.7)	.396 (10.1)	.700 (17.8)
CRB1-2	#1	#2	.359 (9.1)	.396 (10.1)	.700 (17.8)
CRB0-2	#4/0	#2/0	.500 (12.7)	.629 (16.0)	.700 (17.8)

Contact reducing bushings are required when crimping a smaller wire than the contact is designed for. Dimensions are in inches (mm) unless otherwise noted.



Contact Reducing Bushing

Standardized Generator Wiring & Connections

Current	Generator Terminal Mark	Contact Designation	Conductor Circuit	International Phase Color Coding	
				USA	European Union
DC	+ (POS) Positive	A	Positive	Black	Black
	– (NEG) Ground	N	Negative	White	White
AC	L_1	A	Phase A	Black	Brown
	L_2	B	Phase B	Red	Black
	L_3	C	Phase C	Blue	Gray
	L_0	N	Neutral	White	Blue
	G (or GND)	G	Safety Grounding	Green	Green/Yellow

This wiring guide is only meant to serve as a reference. Always consult local and national wiring code before installing.

Test Current For Arc Rupture

Contact Size	Rated Current AC	Test Current AC
#6	40A	60A
#4	60A	90A
#1/0	100A	150A
#2/0	150A	225A
#4/0	200A	300A

Test ratings only. A connector cannot withstand maximum current through all contacts continuously. Please note that the establishment of electrical safety factors is left entirely in the designer's hands, since he or she is in the best position to know what peak voltage, switching surges, transients, etc. can be expected in a particular circuit.

Coupling Torque Values

Thread Size	Torque Foot Pounds (Newton Meters)	
	Min	Max
2.000	38 (51.5)	42 (56.9)
2.250	44 (59.7)	48 (65.1)
3.000	65 (88.1)	70 (94.9)
3.500	70 (94.9)	75 (101.7)

Contact Retention Loads

Contact Size	Minimum Axial Load
#6	20 lbs (8.9 kg)
#4	25 lbs (11.1 kg)
#1/0	35 lbs (15.6 kg)
#2/0	35 lbs (15.6 kg)
#4/0	35 lbs (15.6 kg)

Contact Engagement & Separation Forces

Contact Size	Force	
	Maximum	Minimum
#6	10 lbs (4.4 kg)	.75 lbs (.3 kg)
#4	15 lbs (6.7 kg)	1.00 lbs (.4 kg)
#1/0	20 lbs (8.9 kg)	2.00 lbs (.9 kg)
#2/0	20 lbs (8.9 kg)	2.00 lbs (.9 kg)
#4/0	20 lbs (8.9 kg)	2.00 lbs (.9 kg)

Cable Pull-Out Test Loads

Weight of Cable per 1,000 ft (304.08 m)	Minimum Required Pull-Out Force	
	Without Cable Grip	With Cable Grip
Up to 350 lbs (155.5 kg)	50 lbs (22.2 kg)	75 lbs (33.3 kg)
351–725 lbs (156.0-322.1 kg)	75 lbs (33.3 kg)	150 lbs (66.7 kg)
726–1,000 lbs (322.7-444.6 kg)	100 lbs (44.4 kg)	200 lbs (88.9 kg)
Over 1,000 lbs (444.4 kg)	125 lbs (55.5 kg)	250 lbs (111.1 kg)