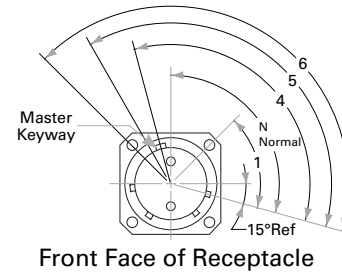


Shell Master Key/Keyway Position

Five master keyway positions are used to discriminate between different power sources such as two wire (DC), two wire single phase (AC), three wire single phase (AC), and four wire three phase (AC). This keying is established during manufacture and cannot be changed.



Front Face of Receptacle

Master Key/Keyway Position

Shell Size	Current Rating (Amps)	Alternating Current (AC) 60Hz & 400Hz							Direct Current (DC)
		1 Phase			3 Phase				2 Wire
		2 Wire		3 Wire	3 Wire			4 Wire	
		120 VAC	240 VAC	120/240 VAC	450/480 VAC	120/208 VAC	240/416 VAC	277/480 VAC	28 VDC
28	40	4	5	4	-	4	5	6	N
32	60	4	5	4	-	4	5	6	N
44	100	4	-	4	1	4	5	6	N
52	200	-	-	4	-	4	5	6	N

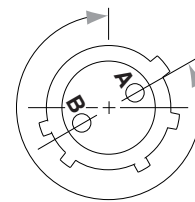
Selecting Your Alternate Insert Rotation

Alternate insert rotations are used to differentiate connectors sets of incompatible frequencies. However, if different frequencies are not a concern, alternate insert rotations may simply be used to distinguish similar connectors sets.

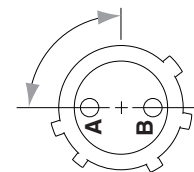
Rotations are designated at the time of ordering using rotation labels N (normal), W, X, Y, and Z. Some insert arrangements have limited or no alternate rotation options. This rotation is established during manufacture and cannot be changed.

Alternate Insert Rotations

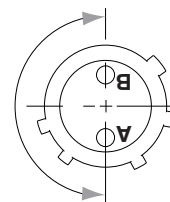
Insert Arrangement	60 Hz AC or DC	400 Hz AC			
	Normal	W	X	Y	Z
28-12	0°	-	-	180°	-
28-13	0°	-	-	180°	-
32-04	0°	-	90°	-	-
32-05	0°	-	90°	-	-
32-12	0°	-	-	180°	-
32-13	0°	-	-	180°	-
44-02	0°	-	-	-	-
44-03	0°	-	-	-	-
44-12	0°	-	-	-	60°
44-13	0°	-	-	-	60°
44-50	0°	-	-	-	-
44-51	0°	-	-	-	-
44-52	0°	-	-	-	-
44-56	0°	-	-	-	-
52-12	0°	300°	-	-	-
52-13	0°	300°	-	-	-



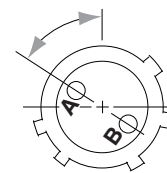
W Rotation



X Rotation



Y Rotation



Z Rotation

Looking into front face of pin insert or rear of socket insert.

Insert Arrangement Drawings

LM Series • MIL-DTL-22992 Type Power Connectors

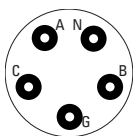
Insert Arrangement Selection

The LM Series is designed to provide safe interconnect solutions for military and industrial applications. The series' strict configuration control ensures maximum protection of personnel and equipment. Shell style, size, and contact type are all matched to specific voltage, current, frequency, phase, and grounding requirements. In addition, the LM Series' insert arrangements specify connector and cable combinations for interconnect reliability. Connector shells are sized according to current carrying capabilities, reducing the possibility of inadequate wiring for heavy electrical loads. ■



Various Power Options
Example of a LM09 wall mount plug with a 52-13 insert rated for 200 amps.

40 Amp Rating Shell Size 28



28-12, 28-13

Three phase AC, 4 wire, grounding

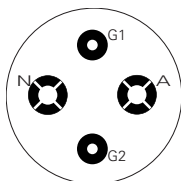
Cable

Insert	Cable Type
28-12	IPCEA, type G, round, 4 x #8 conductors
28-13	CO-04 HDF, (4/6-4/12R) 1090 per MIL-C-3432

Contacts

Position	Contact Size	Pin	Socket
A, B, C	6	CLPP06	CLSS06
N, G	6N	CLPP06N	CLSS06

60 Amp Rating Shell Size 32



32-04, 32-05

Single phase AC, 2 wire, grounding

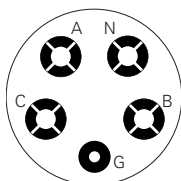
Cable

Insert	Cable Type
32-04	IPCEA, type G, round, 2 x #6 conductors
32-05	CO-02 HDF, (2/4-2/8R) 1100 per MIL-C-3432

Contacts

Position	Contact Size	Pin	Socket
A	4	CLPP04	CLSS04
N	4N	CLPP04N	CLSS04
G1, G2	6N	CLPP06N	CLSS06

60 Amp Rating Shell Size 32



32-12, 32-13

Three phase AC, 4 wire, grounding

Cable

Insert	Cable Type
32-12	IPCEA, type G, round, 4 x #6 conductors
32-13	CO-04 HDF, (4/4-4/12R) 1290 per MIL-C-3432

Contacts

Position	Contact Size	Pin	Socket
A, B, C	4	CLPP04	CLSS04
N	4N	CLPP04N	CLSS04
G	6N	CLPP06N	CLSS06



Rev. 1306.1

Insert Arrangement Drawings

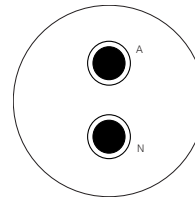
LM Series • MIL-DTL-22992 Type Power Connectors

Cable

Insert	Cable Type
44-02	IPCEA, type W, round, 2 x #2 conductors
44-03	CO-02 HDF, (2/1) 1385 per MIL-C-3432

Contacts

Position	Contact Size	Pin	Socket
A	1/0-1	CLPP10	CLSS10
N	1/0N-1	CLPP10N	CLSS10



44-02, 44-03
28 Volts DC, 2 wire

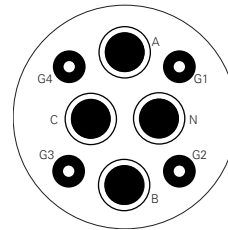
100 Amp Rating
Shell Size 44
For direct current (DC) application use only

Cable

Insert	Cable Type
44-12	IPCEA, type G, round, 4 x #2 conductors
44-13	CO-04 HDF, (4/1-4/8R) 1620 per MIL-C-3432

Contacts

Position	Contact Size	Pin	Socket
A, B, C	1/0-1	CLPP10	CLSS10
N	1/0N-1	CLPP10N	CLSS10
G1, G2, G3, G4	6G	CLPP06G	CLSS06G



44-12, 44-13
Three phase AC, 4 wire, grounding

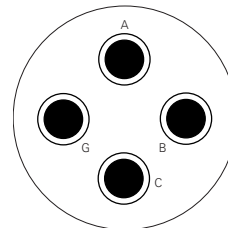
100 Amp Rating
Shell Size 44

Cable

Insert	Cable Type
44-50	Available in LM00 & LM09 only, 4 x #1 conductors
44-51	Available in LM06 & LM01 only, type W, round, 4 x #1 conductors
44-52	Available in LM06 only, IPCEA, type W, round, 4 x #2 conductors
44-56	Available in LM06 only, IPCEA, type W, round, 4 x #6 conductors

Contacts

Position	Contact Size	Pin	Socket
A, B, C	1/0-1	CLPP10	CLSS10
G	1/0N-1	CLPP10N	CLSS10



44-50, 44-51, 44-52, 44-56
Three phase AC, 3 wire, grounding

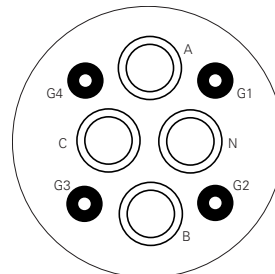
100 Amp Rating
Shell Size 44
For U.S. Navy ground support equipment use only

Cable

Insert	Cable Type
52-12	IPCEA, Type G, round, 4 x #4/0 conductors
52-13	CO-04 HDF, (4/0000-4/4R) 2380 per MIL-C-3432

Contacts

Position	Contact Size	Pin	Socket
A, B, C	4/0	CLPP40	CLSS40
N	4/0N	CLPP40N	CLSS40
G1, G2, G3, G4	4G	CLPP04G	CLSS04G



52-12, 52-13
Three phase AC, 4 wire, grounding

200 Amp Rating
Shell Size 52



Rev. 1306.1

LM