

General Information and Technical Reference

Insert Arrangements, Current Rating, Wire Dia. Sealing Range

GENERAL INFORMATION

SERIES 970 INSERT ARRANGEMENTS						
Insert Arrangement	Contact Size and Quantity					
	#16	#12	#8	#4	#1/0	#2/0
18-2			2			
18-4		2	2			
20-3			3			
20-4			4			
20-5		2	3			
20-7	4		3			
24-1					1	
24-2				2		
24-3				3		
24-5			5			
24-6		4		2		
24-A1						1
24-A6		3		3		
28-12	6		6			
28-15	15					
28-4				4		
28-8		1	7			
28-9	5			4		
32-12	2		10			
32-2					2	
32-20	1	19				
32-3					3	
32-4				2	2	
32-5				5		
32-6		3			3	
32-7				7		
32-A22		22				
36-16	3		13			
36-2						2
36-4					4	
36-9	14	14	2	1		
36-A8				8		
36-B8	4				4	
40-10	16		9	4		
40-21			21			
40-5					5	

CURRENT RATING		
Contact Size	Amps Environmental	Amps Hermetic
16	13	10
12	23	17
8	60	33
4	100	60
1/0	175	100
2/0	205	150

RECOMMENDED WIRE INSULATION DIAMETERS					
This table shows minimum and maximum wire diameters compatible with Series 970 connectors. Wires smaller than specified will not seal properly. Wires larger than specified will be difficult to install and extract.					
Wire Size (AWG)	Cavity Size	Wire Outside Diameter			
		Min		Max	
		in	mm	in	mm
16	16	0.053	1.35	0.103	2.62
12	12	0.085	2.16	0.158	4.01
10	8	0.187	4.75	0.203	5.16
8	8	0.187	4.75	0.203	5.16
6	4	0.28	7.11	0.32	8.13
4	4	0.28	7.11	0.32	8.13
2	1/0	0.465	11.81	0.5	12.7
1/0	1/0	0.465	11.81	0.5	12.7
2/0	2/0	0.59	14.99	0.63	16



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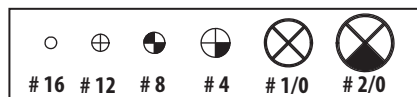
Insert Arrangements

POWER
TRIP®

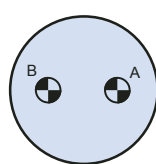
GENERAL INFORMATION

INSERT ARRANGEMENTS

CONTACT SYMBOLS

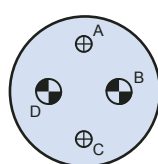


Mating face of pin connector.
Sockets are reversed.



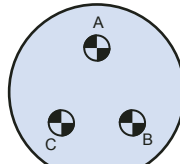
18-2

2 #8 Contacts



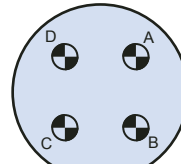
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2 #8, 2 #12 Contacts



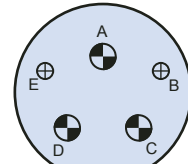
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3 #8 Contacts



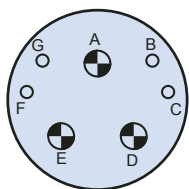
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4 #8 Contacts



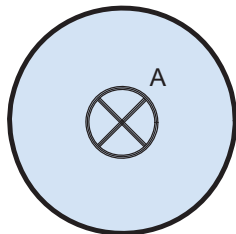
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3 #8, 2 #12 Contacts



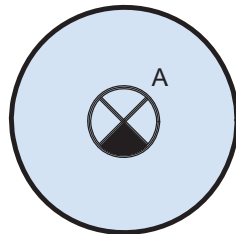
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3 #8, 4 #16 Contacts



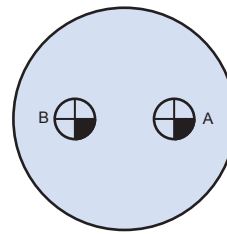
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1 #1/0 Contact



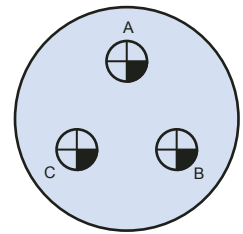
24-A1

1 #2/0 Contact



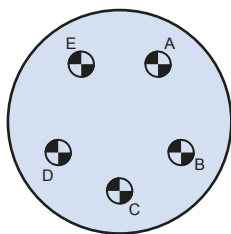
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2 #4 Contacts



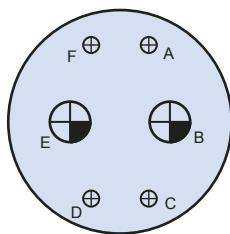
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3 #4 Contacts



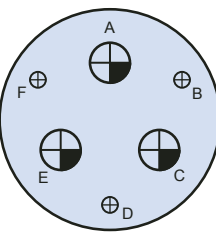
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5 #8 Contacts



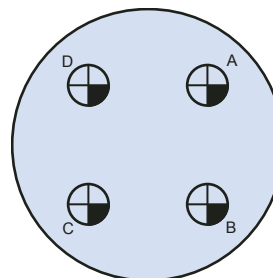
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2 #4, 4 #12 Contacts



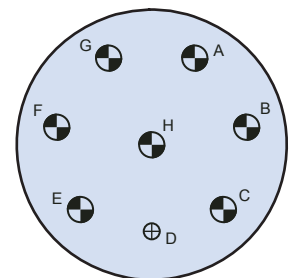
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3 #4, 3 #12 Contacts



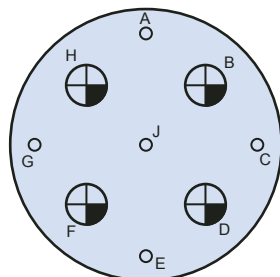
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4 #4 Contacts



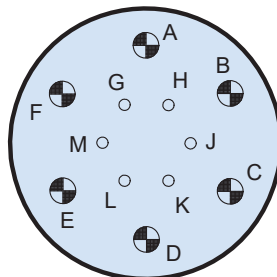
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7 #8, 1 #12 Contacts



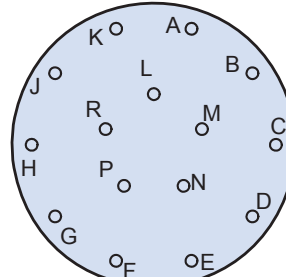
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4 #4, 5 #16 Contacts



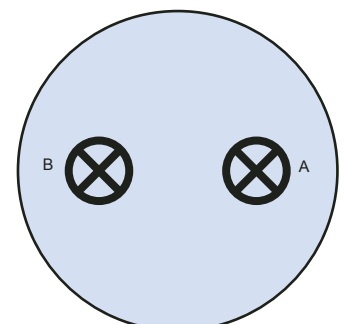
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6 #8, 6 #16 Contacts



28-15

15 #16 Contacts



32-2

2 #1/0 Contacts

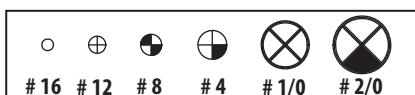
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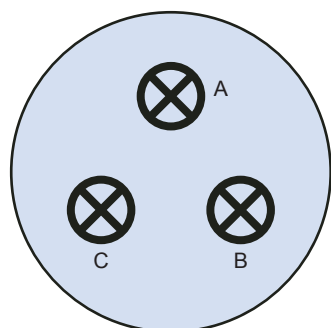
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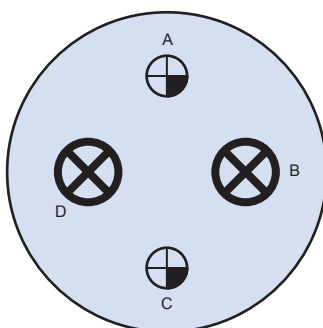


Mating face of pin connector.
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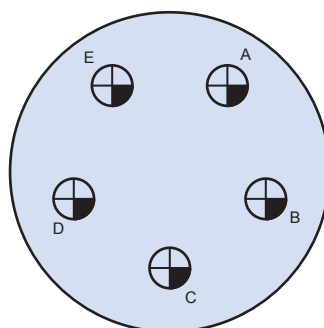
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3 1/0 Contacts



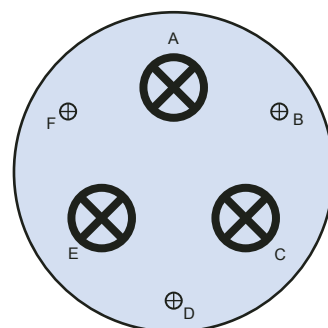
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2 #1/0, 2 #4 Contacts



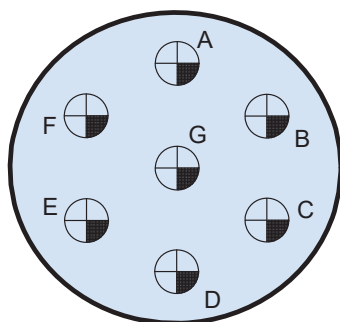
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5 #4 Contacts



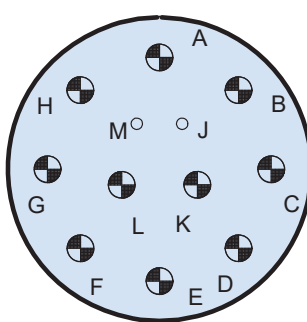
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3 #1/0, 3 #12 Contacts



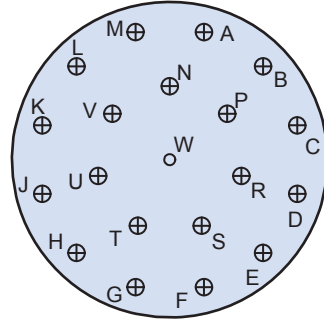
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7 #4 Contacts



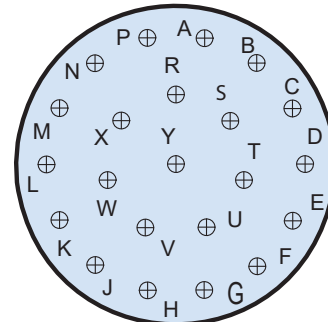
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10 #8, 2 #16 Contacts



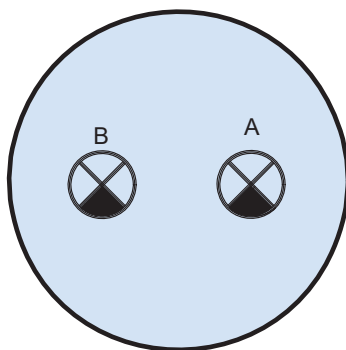
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1 #16, 19 #12 Contacts



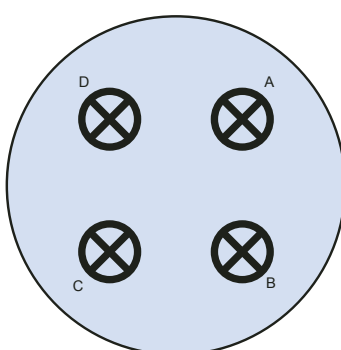
32-A22

22 #12 Contacts



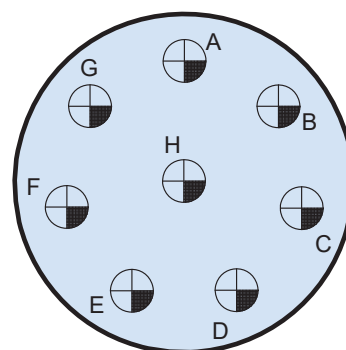
36-2

2 #2/0 Contacts



36-4

4 #1/0 Contacts



36-A8

8 #4 Contacts

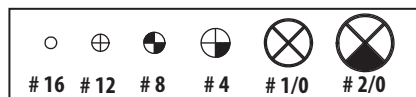


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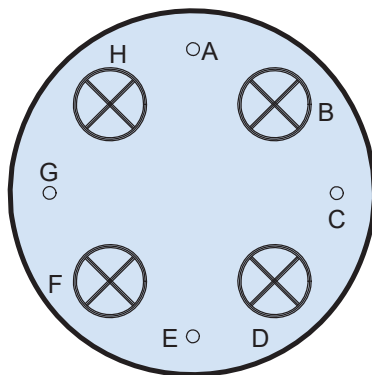
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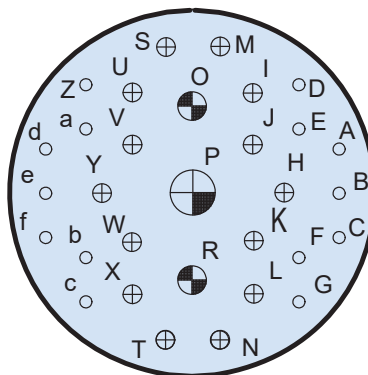


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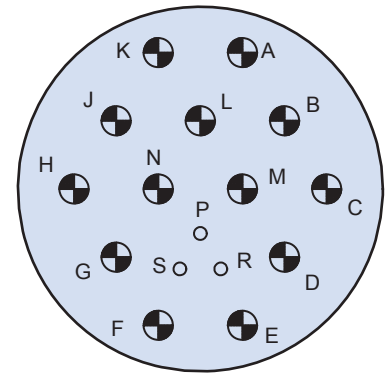
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4 #1/0, 4 #16 Contacts



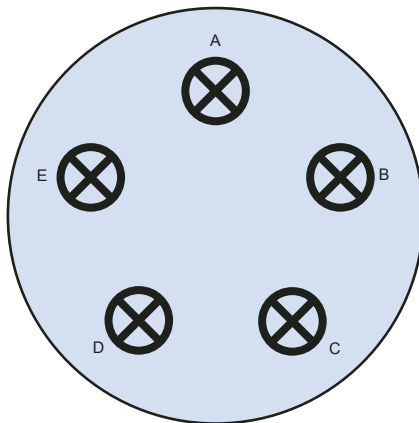
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1 #4, 2 #8, 14 #12, 14 #16 Contacts



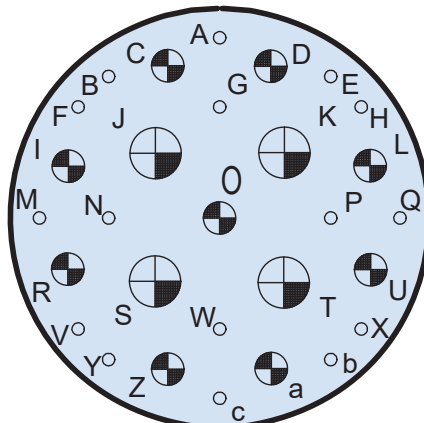
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13 #8, 3 #16 Contacts



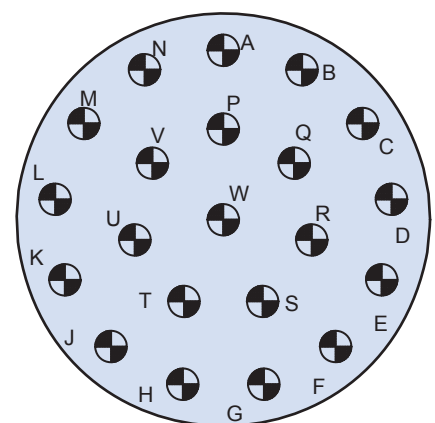
40-5

5 #1/0 Contacts



40-10

4 #4, 9 #8, 16 #16 Contacts



40-21

21 #8 Contacts