



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
16	13
12	23
8	60
4	100
1/0	175
2/0	205

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)	Wire Outside Diameter			
	Min		Max	
	in	mm	Inches	mm
16	.053	1.35	.103	2.62
12	.085	2.16	.158	4.01
8	.187	4.75	.203	5.16
4	.280	7.11	.320	8.13
0	.465	11.81	.500	12.7
2/0	.590	14.99	.630	16.00

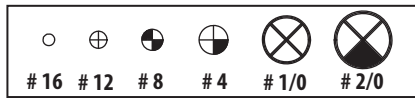


General Information and Technical Reference Insert Arrangements

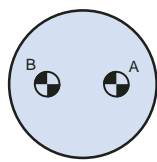
GENERAL INFORMATION

INSERT ARRANGEMENTS

CONTACT SYMBOLS

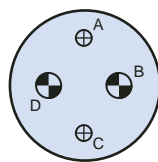


**Mating face of pin connector.
Sockets are reversed.**



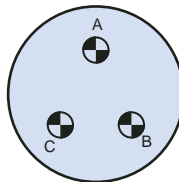
18-2

2 #8 Contacts



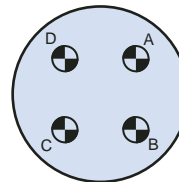
18-4

2 #8, 2 #12 Contacts



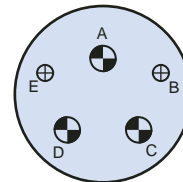
20-3

3 #8 Contacts



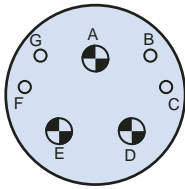
20-4

4 #8 Contacts



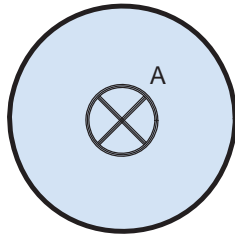
20-5

3 #8, 2 #12 Contacts



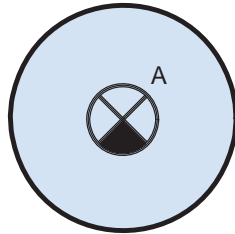
20-7

3 #8, 4 #16 Contacts



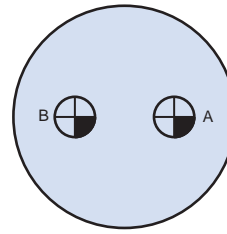
24-1

1 #1/0 Contact



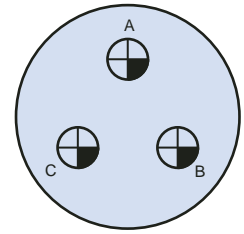
24-A1

1 #2/0 Contact



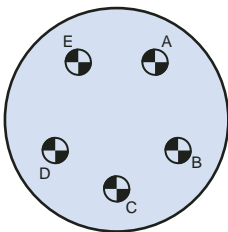
24-2

2 #4 Contacts



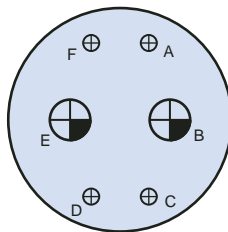
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3 #4 Contacts



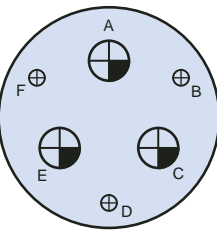
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5 #8 Contacts



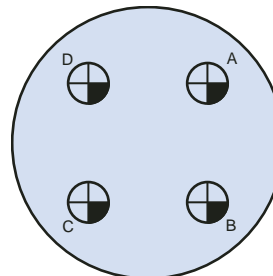
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2 #4, 4 #12 Contacts



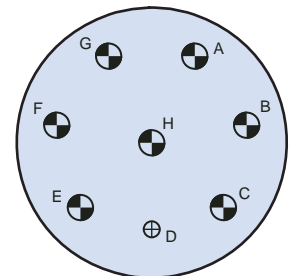
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3 #4, 3 #12 Contacts



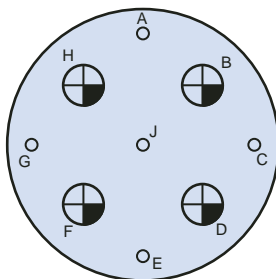
28-4

4 #4 Contacts



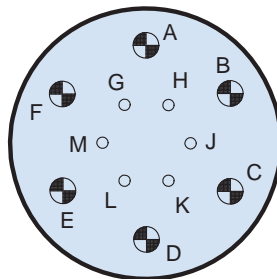
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7 #8, 1 #12 Contact



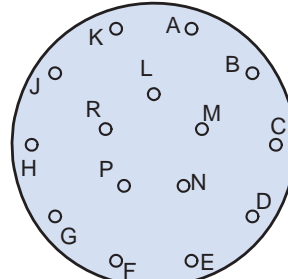
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4 #4, 5 #16 Contacts



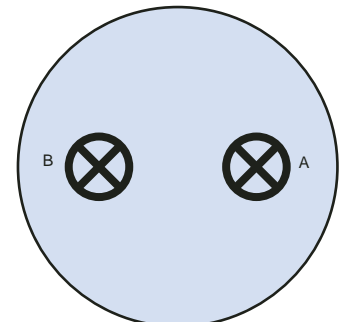
28-12

6 #8, 6 #16 Contacts



28-15

15 #16 Contacts



32-2

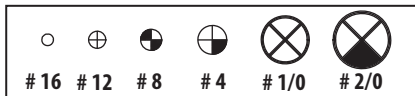
2 #1/0 Contacts

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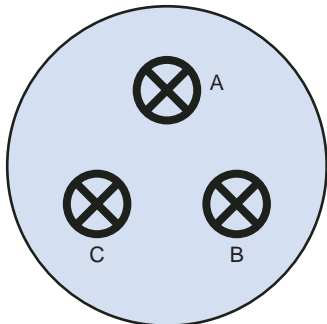
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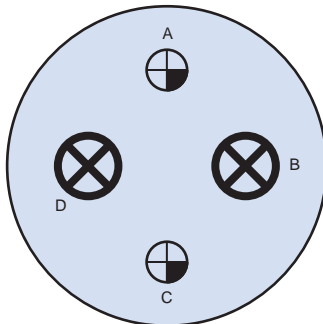
CONTACT SYMBOLS



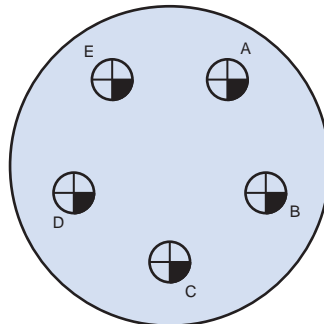
Mating face of pin connector.
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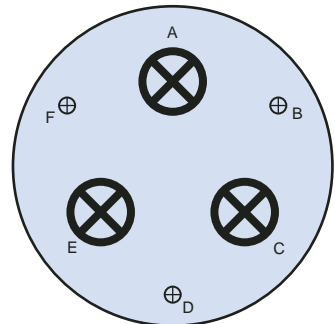
32-3
3 1/0 Contacts



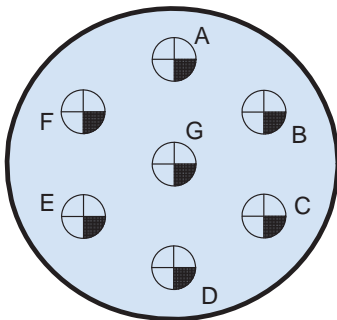
32-4
2 #1/0, 2 #4 Contacts



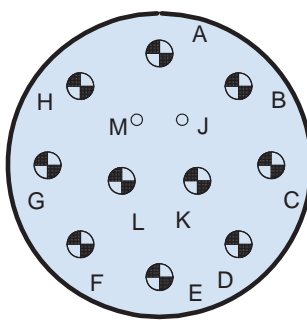
32-5
5 #4 Contacts



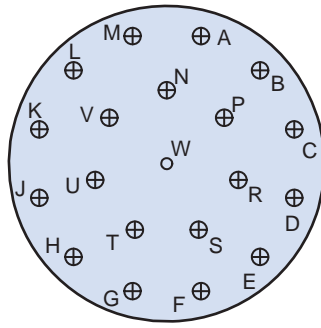
32-6
3 #1/0, 3 #12 Contacts



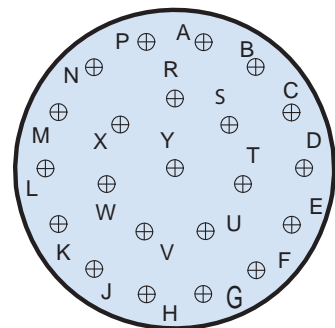
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7 #4 Contacts



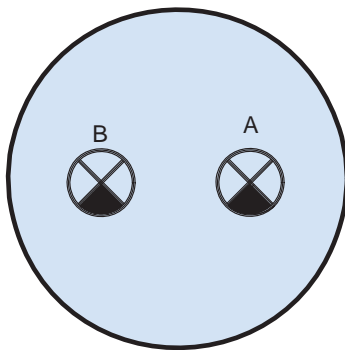
32-12
10 #8, 2 #16 Contacts



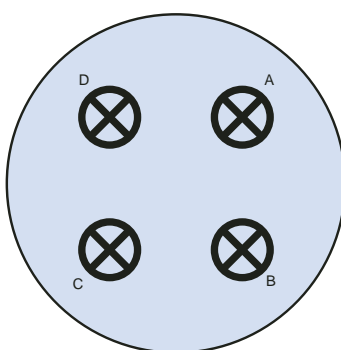
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1 #16, 19 #12 Contacts



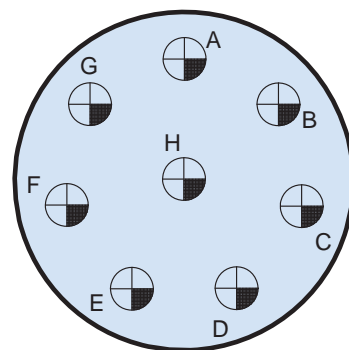
32-A22
22 #12 Contacts



36-2
2 #2/0 Contacts



36-4
4 #1/0 Contacts



36-A8
8 #4 Contacts

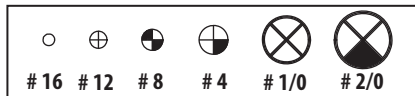


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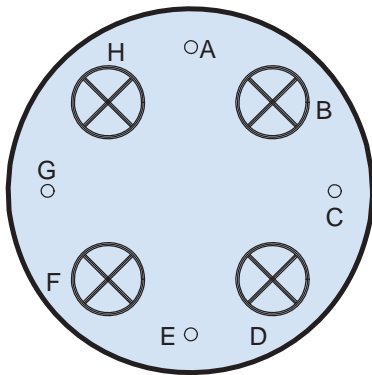
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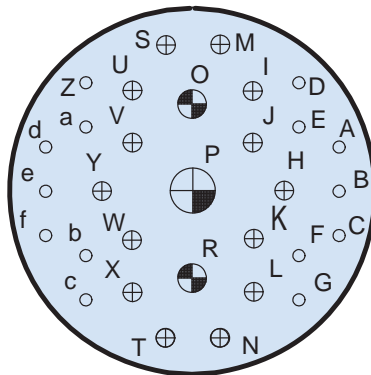


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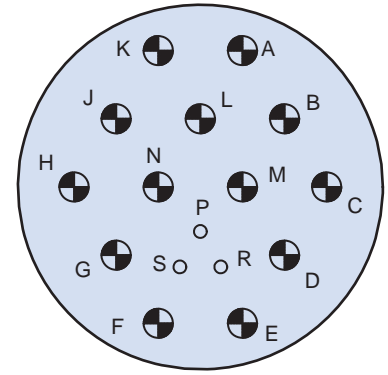
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4 #1/0, 4 #16 Contacts



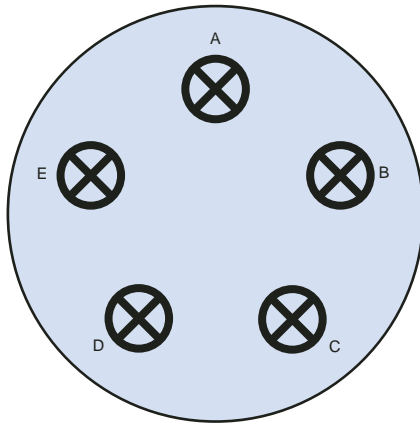
36-9

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



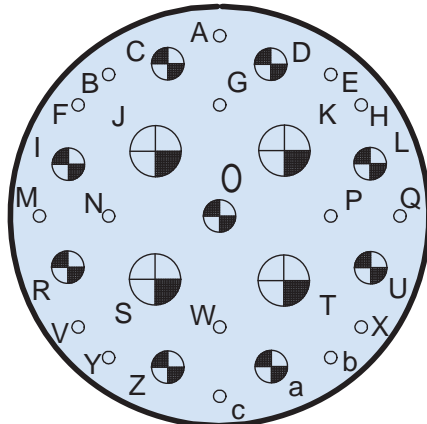
36-16

13 #8, 3 #16 Contacts



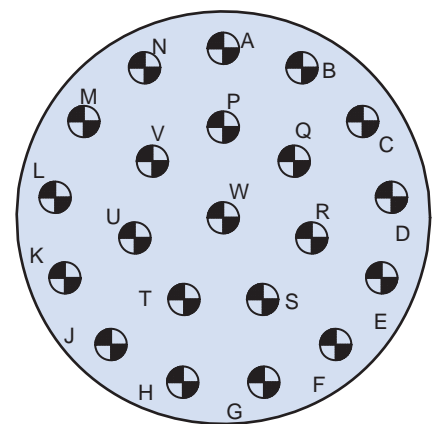
40-5

5 #1/0 Contacts



40-10

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



40-21

21 #8 Contacts