

The MG range of connectors are based on the MIL-C-5015 specification but with reverse bayonet locking mechanism. The connectors are designed to the VG95234 series and feature a rugged aluminium alloy shell in 5 different styles.

They have the ability to withstand high shock and vibrations without the need for lockwiring. Applications include railways, process control equipment, communications and stage & lighting.

## SHELL STYLES



**MG 00F**  
Box mounting receptacle for front mounting with cable clamp & telescopic bushing



**MG 01F**  
Cable connecting receptacle with cable clamp and telescopic bushing



**MG 02R**  
Box mounting receptacle for front mounting



**MG 06F**  
Straight cable connector with cable clamp and telescopic bushing



**MG 08F**  
90° angle connector with cable clamp and telescopic bushing

## INSERT SPECIFICATIONS

Insert arrangement	Number of contacts	Contact size				
		0	4	8	12	16
10SL-3	3	-	-	-	-	3
10SL-4	2	-	-	-	-	2
14S-2	4	-	-	-	-	4
14S-5	5	-	-	-	-	5
14S-6	6	-	-	-	-	6
14S-7	3	-	-	-	-	3
14S-9	2	-	-	-	-	2
16S-1	7	-	-	-	-	7
16S-5	3	-	-	-	-	3
16S-8	5	-	-	-	-	5
16-10	3	-	-	-	3	-
16-11	2	-	-	-	2	-
18-1	10	-	-	-	-	10
18-8	8	-	-	-	1	7
18-10	4	-	-	-	4	-
18-11	5	-	-	-	5	-
18-12	6	-	-	-	-	6
20-7	8	-	-	-	-	8

Insert arrangement	Number of contacts	Contact size				
		0	4	8	12	16
20-15	7	-	-	-	7	-
20-16	9	-	-	-	2	7
20-19	3	-	-	3	-	-
20-27	14	-	-	-	-	14
20-29	17	-	-	-	-	17
22-2	3	-	-	3	-	-
22-19	14	-	-	-	-	14
22-22	4	-	-	4	-	-
22-23	8	-	-	-	8	-
24-5	16	-	-	-	-	16
24-10	7	-	-	7	-	-
24-28	24	-	-	-	-	24
28-11	22	-	-	-	4	18
28-15	35	-	-	-	-	35
28-16	20	-	-	-	-	20
28-21	37	-	-	-	-	37
28-22	6	-	3	-	-	3
36-10	48	-	-	-	-	48

Other inserts available on request, contact us for further information

## ORDERING GUIDE

<b>Connector family</b>	<b>MG</b>	<b>02R</b>	<b>28-21</b>	<b>P</b>
<b>Shell styles</b>				
00F = Wall mounting receptacle				
01F = Cable connecting connector				
02R = Box / Panel mounting receptacle				
06F = Cable connector - straight				
08F = Cable connector - 90°				
<b>Insert number</b>				
Consist of shell size 10SL, 14S, 16S, 16, 18, 20, 22, 24, 28, 32, 36.				
Contact arrangement code number of pin configuration as per JSS 50812 (MIL-C-5015)				
<b>Contact type</b>				
P = Pin (male); S = Socket (female)				

The following non-standard accessories/modifications are available. Please contact us for further information.

- alternate insert position (W, X, Y, Z)
- alternate contact plating material
- box mounting receptacle for rear mounting

## TECHNICAL DATA

General Specifications	
<b>Body</b>	Aluminium Alloy
<b>Plating</b>	Olive Drab
<b>Insulator</b>	Polychloroprene
<b>Contact material</b>	Copper Base Alloy - Silver Plated
<b>Mating cycle</b>	500
<b>Operating temperature</b>	-55°C to +125°C
<b>Insulation resistance</b>	Min 5000 Meg Ohms at 500 VDC
<b>Current rating</b>	13 - 150 Amps (Depends on contact arrangement)
<b>Working voltage</b>	200 - 3000 VAC rms (Depends on contact arrangement)
<b>Wire termination</b>	Solder Type

Contact Size	Wire Size Dia (mm)	OC Of Insulated Wire	
		Max (mm)	Min (mm)
16	0.80	3.30	1.63
	1.00		
	1.25		
12	1.60	4.32	2.90
	2.00		
8	2.50	6.48	4.17
	3.15		
4	4.00	9.40	6.90
	5.00		
0	6.30	13.98	10.55
	8.00		