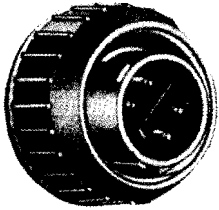


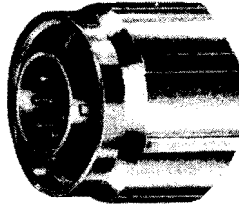


**Mark 4 Shell styles**

aluminium

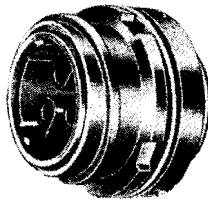
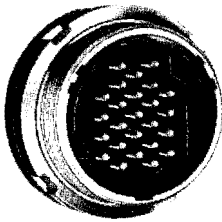


brass



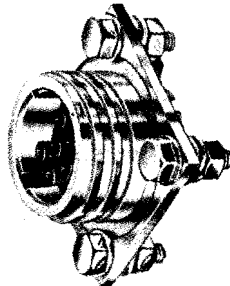
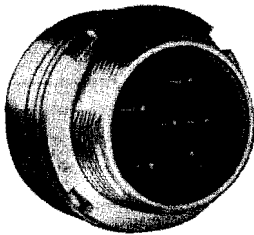
**Free unit**

A free plug or socket is wired to a cable as a means of connecting the cable to mating components, which are fixed plugs and sockets, free or fixed couplers and bulkhead units. Outlet nuts are supplied with these items.



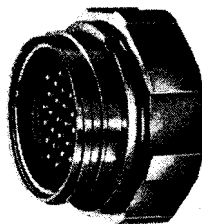
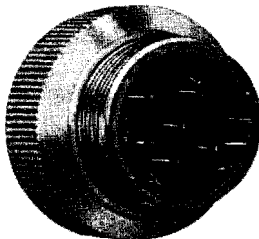
**Fixed unit**

A fixed plug or socket is used for mounting to junction boxes, panels, etc., when it is not intended to lead the cable assembly away from the rear of the panel, and mates with free plug or socket only.



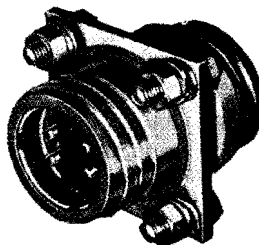
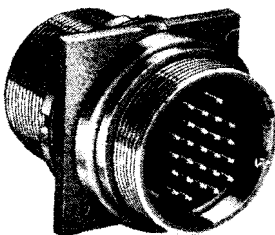
**Fixed coupler unit**

A fixed coupler plug or socket is used for mounting to panels, etc., when it is intended to lead the cable assembly away from the rear of the panel. Mates with free plug or socket only.



**Free coupler unit**

A free coupler plug or socket is wired to a cable as a means of connecting two free cables, and mates with free plug or socket only.



(Plug/socket)

(Socket/plug)

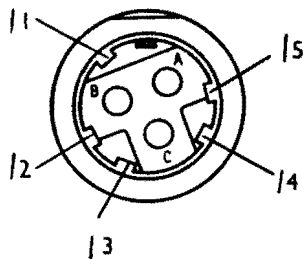
**Bulkhead connector**

This range of climatic proof pressurised bulkhead connectors is used to permit a complete break in a cable passing through a bulkhead. All have plug pins one end and socket inserts at the other so that they mate with a free plug and a free socket.

The bulkhead plug/socket has the plug moulding on the flange side of the bulkhead; the socket/plug has the socket moulding on the flange side.



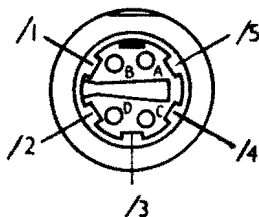
**3 CONTACT 19 AMP 2k VOLTS AC  
PEAK**



SHELL  
SIZE  
GROUP **2** (MEDIUM)

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40005/32*        | FREE<br>SOCKET       | 40405/32*                        |
| 40025/32*        | FREE<br>PLUG         | 40425/32*                        |
|                  |                      |                                  |
| 40065/32*        | FIXED PLUG           | 40465/32*                        |
| 40145/32*        | FIXED COUPLER PLUG   | 40545/32*                        |
| 40105/32*        | FREE COUPLER PLUG    | 40505/32*                        |
|                  |                      |                                  |
| **               | BULKHEAD PLUG/SOCKET | **                               |
| **               | BULKHEAD SOCKET/PLUG | **                               |
|                  |                      |                                  |
| 40045/32*        | FIXED SOCKET         | 40445/32*                        |
| 40125/32*        | FIXED COUPLER SOCKET | 40525/32*                        |
| 40085/32*        | FREE COUPLER SOCKET  | 40485/32*                        |

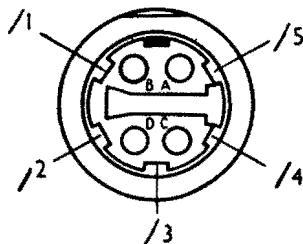
**4 CONTACT 5 AMP 250 VOLTS AC**



SHELL  
SIZE  
GROUP **1** (SMALL)

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40002/32*        | FREE<br>SOCKET       | 40402/32*                        |
| 40022/32*        | FREE<br>PLUG         | 40422/32*                        |
|                  |                      |                                  |
| 40062/32*        | FIXED PLUG           | 40462/32*                        |
| 40142/32*        | FIXED COUPLER PLUG   | 40542/32*                        |
| 40102/32*        | FREE COUPLER PLUG    | 40502/32*                        |
|                  |                      |                                  |
| 40182/32*        | BULKHEAD PLUG/SOCKET | 40582/32*                        |
| 40162/32*        | BULKHEAD SOCKET/PLUG | 40562/32*                        |
|                  |                      |                                  |
| 40042/32*        | FIXED SOCKET         | 40442/32*                        |
| 40122/32*        | FIXED COUPLER SOCKET | 40522/32*                        |
| 40082/32*        | FREE COUPLER SOCKET  | 40482/32*                        |

**4 CONTACT 19 AMP 250 VOLTS AC**

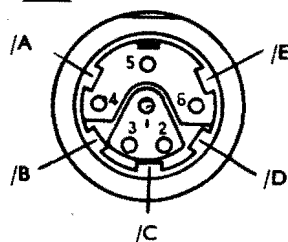


SHELL  
SIZE  
GROUP **2** (MEDIUM)

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40006/32*        | FREE<br>SOCKET       | 40406/32*                        |
| 40026/32*        | FREE<br>PLUG         | 40426/32*                        |
|                  |                      |                                  |
| 40066/32*        | FIXED PLUG           | 40466/32*                        |
| 40146/32*        | FIXED COUPLER PLUG   | 40546/32*                        |
| 40106/32*        | FREE COUPLER PLUG    | 40506/32*                        |
|                  |                      |                                  |
| 40186/32*        | BULKHEAD PLUG/SOCKET | 40586/32*                        |
| 40166/32*        | BULKHEAD SOCKET/PLUG | 40566/32*                        |
|                  |                      |                                  |
| 40046/32*        | FIXED SOCKET         | 40446/32*                        |
| 40126/32*        | FIXED COUPLER SOCKET | 40526/32*                        |
| 40086/32*        | FREE COUPLER SOCKET  | 40486/32*                        |

\*\* Items marked thus can be supplied, but special prices and protracted delivery may be unavoidable.

\* 3rd digit of the suffix indicates orientation feature, i.e. 0=Neutral; 1 to 5=positions 1-5 respectively.



SHELL  
SIZE  
GROUP **2** (MEDIUM)

PEAR

Normal  
508/1/ Single piece  
gasket  
508/1/

|           |                |           |
|-----------|----------------|-----------|
| 40007/32* | FREE<br>SOCKET | 40407/32* |
|-----------|----------------|-----------|

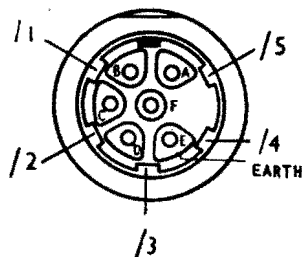
|           |              |           |
|-----------|--------------|-----------|
| 40027/32* | FREE<br>PLUG | 40427/32* |
|-----------|--------------|-----------|

|           |                    |           |
|-----------|--------------------|-----------|
| 40067/32* | FIXED PLUG         | 40467/32* |
| 40147/32* | FIXED COUPLER PLUG | 40547/32* |
| 40107/32* | FREE COUPLER PLUG  | 40507/32* |

|           |                      |           |
|-----------|----------------------|-----------|
| 40187/32* | BULKHEAD PLUG/SOCKET | 40587/32* |
| 40167/32* | BULKHEAD SOCKET/PLUG | 40567/32* |

|           |                      |           |
|-----------|----------------------|-----------|
| 40047/32* | FIXED SOCKET         | 40447/32* |
| 40127/32* | FIXED COUPLER SOCKET | 40527/32* |
| 40087/32* | FREE COUPLER SOCKET  | 40487/32* |

## 6 CONTACT 5 AMP 2k VOLTS AC PEAK



SHELL  
SIZE  
GROUP **2** (MEDIUM)

Normal  
508/1/ Single piece  
gasket  
508/1/

|           |                |           |
|-----------|----------------|-----------|
| 40008/32* | FREE<br>SOCKET | 40408/32* |
|-----------|----------------|-----------|

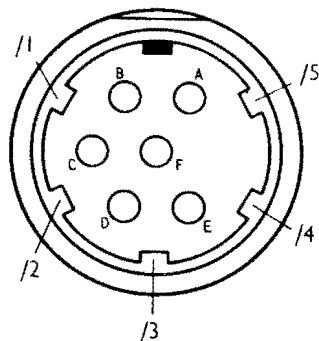
|           |              |           |
|-----------|--------------|-----------|
| 40028/32* | FREE<br>PLUG | 40428/32* |
|-----------|--------------|-----------|

|           |                    |           |
|-----------|--------------------|-----------|
| 40068/32* | FIXED PLUG         | 40468/32* |
| 40148/32* | FIXED COUPLER PLUG | 40548/32* |
| 40108/32* | FREE COUPLER PLUG  | 40508/32* |

|           |                      |           |
|-----------|----------------------|-----------|
| 40188/32* | BULKHEAD PLUG/SOCKET | 40588/32* |
| 40168/32* | BULKHEAD SOCKET/PLUG | **        |

|           |                      |           |
|-----------|----------------------|-----------|
| 40048/32* | FIXED SOCKET         | 40448/32* |
| 40128/32* | FIXED COUPLER SOCKET | 40528/32* |
| 40088/32* | FREE COUPLER SOCKET  | 40488/32* |

## 6 CONTACT 19 AMP 2.5k VOLTS AC PEAK



SHELL  
SIZE  
GROUP **3** (LARGE)

Normal  
508/1/ Single piece  
gasket  
508/1/

|           |                |   |
|-----------|----------------|---|
| 40012/32* | FREE<br>SOCKET | — |
|-----------|----------------|---|

|           |              |   |
|-----------|--------------|---|
| 40032/32* | FREE<br>PLUG | — |
|-----------|--------------|---|

In this arrangement only, special  
seals are used on each individual  
contact, replacing conventional  
gaskets.

|           |                    |   |
|-----------|--------------------|---|
| 40072/32* | FIXED PLUG         | — |
| 40152/32* | FIXED COUPLER PLUG | — |
| 40112/32* | FREE COUPLER PLUG  | — |

|           |                      |   |
|-----------|----------------------|---|
| 40192/32* | BULKHEAD PLUG/SOCKET | — |
| 40172/32* | BULKHEAD SOCKET/PLUG | — |

|           |                      |   |
|-----------|----------------------|---|
| 40052/32* | FIXED SOCKET         | — |
| 40132/32* | FIXED COUPLER SOCKET | — |
| 40092/32* | FREE COUPLER SOCKET  | — |

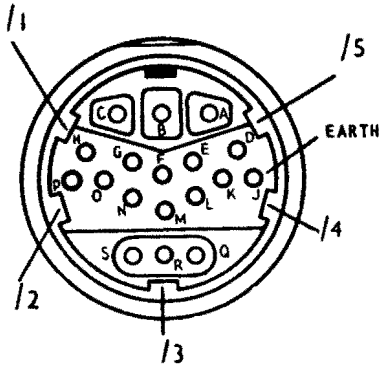
\*\* Items marked thus can be supplied, but special prices and protracted delivery may be unavoidable.

\* 3rd digit of the suffix indicates orientation feature, i.e. 0=Neutral; 1 to 5=positions 1-5 respectively.



**SPECIAL** **PEAK**  
**18 CONTACT** **5 AMP** **6-2k\***  
**VOLTS AC 12-250**

\*3 contacts 2 kV individually.  
3 contacts 2 kV collectively.



SHELL  
SIZE  
GROUP **3** (LARGE)

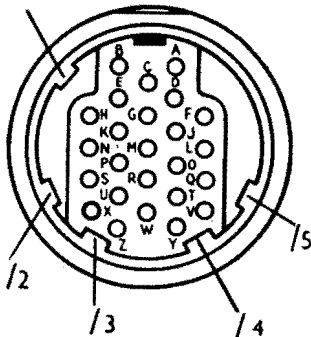
| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40015/32*        | FREE<br>SOCKET | 40415/32*                        |
| 40035/32*        | FREE<br>PLUG   | 40435/32*                        |

| Normal<br>508/1/ |                    | Single piece<br>gasket<br>508/1/ |
|------------------|--------------------|----------------------------------|
| 40075/32*        | FIXED PLUG         | 40475/32*                        |
| 40155/32*        | FIXED COUPLER PLUG | 40555/32*                        |
| 40115/32*        | FREE COUPLER PLUG  | 40515/32*                        |

|           |                      |           |
|-----------|----------------------|-----------|
| 40195/32* | BULKHEAD PLUG/SOCKET | 40595/32* |
| 40175/32* | BULKHEAD SOCKET/PLUG | **        |

|           |                      |           |
|-----------|----------------------|-----------|
| 40055/32* | FIXED SOCKET         | 40455/32* |
| 40135/32* | FIXED COUPLER SOCKET | 40535/32* |
| 40095/32* | FREE COUPLER SOCKET  | 40495/32* |

**25 CONTACT** **5 AMP** **250 VOLTS AC**



SHELL  
SIZE  
GROUP **3** (LARGE)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40016/32*        | FREE<br>SOCKET | 40416/32*                        |
| 40036/32*        | FREE<br>PLUG   | 40436/32*                        |

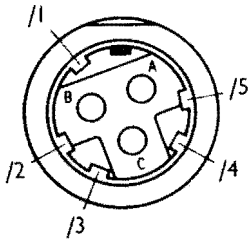
| Normal<br>508/1/ |                    | Single piece<br>gasket<br>508/1/ |
|------------------|--------------------|----------------------------------|
| 40076/32*        | FIXED PLUG         | 40476/32*                        |
| 40156/32*        | FIXED COUPLER PLUG | 40556/32*                        |
| 40116/32*        | FREE COUPLER PLUG  | 40516/32*                        |

|           |                      |           |
|-----------|----------------------|-----------|
| 40196/32* | BULKHEAD PLUG/SOCKET | 40596/32* |
| 40176/32* | BULKHEAD SOCKET/PLUG | 40576/32* |

|           |                      |           |
|-----------|----------------------|-----------|
| 40056/32* | FIXED SOCKET         | 40456/32* |
| 40136/32* | FIXED COUPLER SOCKET | 40536/32* |
| 40096/32* | FREE COUPLER SOCKET  | 40496/32* |

\*\* Items marked thus can be supplied, but special prices and protracted delivery may be unavoidable.  
\* 3rd digit of the suffix indicates orientation feature, i.e. 0=Neutral: 1 to 5=positions 1-5 respectively.

**3 CONTACT 19 AMP 2K VOLTS AC  
PEAK**

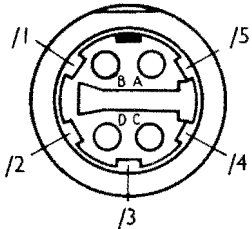


SHELL  
SIZE  
GROUP **2** (MEDIUM)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40205/52*        | FREE<br>SOCKET | 40605/52*                        |
| 40225/52*        | FREE<br>PLUG   | 40625/52*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40265/52*        | FIXED PLUG           | 40665/52*                        |
| 40345/52*        | FIXED COUPLER PLUG   | 40745/52*                        |
| **               | FREE COUPLER PLUG    | **                               |
| **               | BULKHEAD PLUG/SOCKET | **                               |
| **               | BULKHEAD SOCKET/PLUG | **                               |
| 40245/52*        | FIXED SOCKET         | 40645/52*                        |
| 40325/52*        | FIXED COUPLER SOCKET | 40725/52*                        |
| **               | FREE COUPLER SOCKET  | **                               |

**4 CONTACT 19 AMP 250 VOLTS AC**

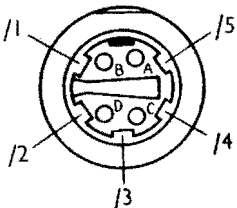


SHELL  
SIZE  
GROUP **2** (MEDIUM)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40206/52*        | FREE<br>SOCKET | 40606/52*                        |
| 40226/52*        | FREE<br>PLUG   | 40626/52*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40266/52*        | FIXED PLUG           | 40666/52*                        |
| 40346/52*        | FIXED COUPLER PLUG   | 40746/52*                        |
| 40306/52*        | FREE COUPLER PLUG    | **                               |
| 40386/52*        | BULKHEAD/PLUG SOCKET | **                               |
| 40366/52*        | BULKHEAD SOCKET/PLUG | **                               |
| 40246/52*        | FIXED SOCKET         | 40646/52*                        |
| 40326/52*        | FIXED COUPLER SOCKET | 40726/52*                        |
| 40286/52*        | FREE COUPLER SOCKET  | **                               |

**4 CONTACT 5 AMP 250 VOLTS AC**



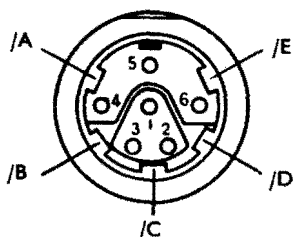
SHELL  
SIZE  
GROUP **1** (SMALL)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40202/52*        | FREE<br>SOCKET | 40602/52*                        |
| 40222/52*        | FREE<br>PLUG   | 40622/52*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40262/52*        | FIXED PLUG           | 40662/52*                        |
| 40342/52*        | FIXED COUPLER PLUG   | 40742/52*                        |
| 40302/52*        | FREE COUPLER PLUG    | **                               |
| 40382/52*        | BULKHEAD PLUG/SOCKET | **                               |
| 40362/52*        | BULKHEAD SOCKET/PLUG | **                               |
| 40242/52*        | FIXED SOCKET         | 40642/52*                        |
| 40322/52*        | FIXED COUPLER SOCKET | 40722/52*                        |
| 40282/52*        | FREE COUPLER SOCKET  | **                               |

\*\* Items marked thus can be supplied, but special prices and protracted delivery may be unavoidable.  
\* 3rd digit of the suffix indicates orientation feature, i.e. 0=Neutral; 1 to 5=positions 1-5 respectively.

**6 CONTACT 5 AMP 500 VOLTS AC**

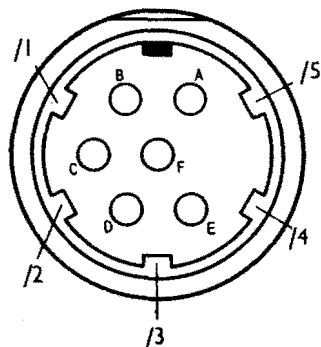


SHELL  
SIZE  
GROUP **2** (MEDIUM)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40207/52*        | FREE<br>SOCKET | 40607/52*                        |
| 40227/52*        | FREE<br>PLUG   | 40627/52*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40267/52*        | FIXED PLUG           | 40667/52*                        |
| 40347/52*        | FIXED COUPLER PLUG   | 40747/52*                        |
| 40307/52*        | FREE COUPLER PLUG    | **                               |
| 40387/52*        | BULKHEAD PLUG/SOCKET | **                               |
| 40367/52*        | BULKHEAD SOCKET/PLUG | **                               |
| 40247/52*        | FIXED SOCKET         | 40647/52*                        |
| 40327/52*        | FIXED COUPLER SOCKET | 40727/52*                        |
| 40287/52*        | FREE COUPLER SOCKET  | **                               |

**6 CONTACT 19 AMP 2.5k VOLTS AC  
PEAK**



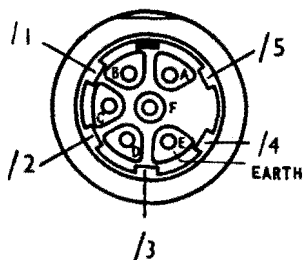
SHELL  
SIZE  
GROUP **3** (LARGE)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40212/52*        | FREE<br>SOCKET | —                                |
| 40232/52*        | FREE<br>PLUG   | —                                |

In this arrangement only, special  
seals are used on each individual  
contact, replacing conventional  
gaskets.

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40272/52*        | FIXED PLUG           | —                                |
| 40352/52*        | FIXED COUPLER PLUG   | —                                |
| **               | FREE COUPLER PLUG    | —                                |
| **               | BULKHEAD PLUG/SOCKET | —                                |
| **               | BULKHEAD SOCKET/PLUG | —                                |
| 40252/53*        | FIXED SOCKET         | —                                |
| 40332/52*        | FIXED COUPLER SOCKET | —                                |
| **               | FREE COUPLER SOCKET  | —                                |

**6 CONTACT 5 AMP 2k VOLTS AC  
PEAK**



SHELL  
SIZE  
GROUP **2** (MEDIUM)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40208/52*        | FREE<br>SOCKET | 40608/52*                        |
| 40228/52*        | FREE<br>PLUG   | 40628/52*                        |

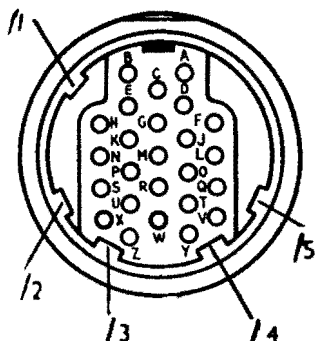
| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40268/52*        | FIXED PLUG           | 40668/52*                        |
| 40348/52*        | FIXED COUPLER PLUG   | 40748/52*                        |
| 40308/52*        | FREE COUPLER PLUG    | **                               |
| 40388/52*        | BULKHEAD PLUG/SOCKET | **                               |
| 40368/52*        | BULKHEAD SOCKET/PLUG | **                               |
| 40248/52*        | FIXED SOCKET         | 40648/52*                        |
| 40328/52*        | FIXED COUPLER SOCKET | 40728/52*                        |
| 40288/52*        | FREE COUPLER SOCKET  | **                               |

\*\* Items marked thus can be supplied, but special prices and protracted delivery may be unavoidable.

\* 3rd digit of the suffix indicates orientation feature, i.e. 0=Neutral; 1 to 5=positions 1-5 respectively.



**25 CONTACT 5 AMP 250 VOLTS AC**

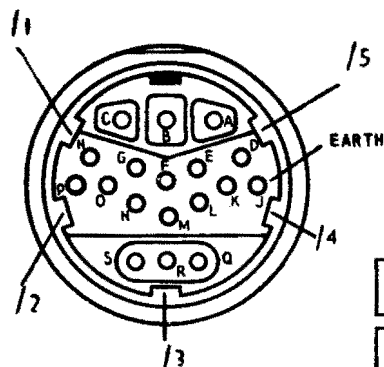


SHELL  
SIZE  
GROUP **3** (LARGE)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40216/52*        | FREE<br>SOCKET | 40616/52*                        |
| 40236/52*        | FREE<br>PLUG   | 40636/52*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40276/52*        | FIXED PLUG           | 40676/52*                        |
| 40356/52*        | FIXED COUPLER PLUG   | 40756/52*                        |
| 40316/52*        | FREE COUPLER PLUG    | **                               |
| 40396/52*        | BULKHEAD PLUG/SOCKET | **                               |
| 40376/52*        | BULKHEAD SOCKET/PLUG | **                               |
| 40256/52*        | FIXED SOCKET         | 40656/52*                        |
| 40336/52*        | FIXED COUPLER SOCKET | 40736/52*                        |
| 40296/52*        | FREE COUPLER SOCKET  | **                               |

**SPECIAL 18 CONTACT 5 AMP** **PEAK 6-2k\* VOLTS AC 12-250**



SHELL  
SIZE  
GROUP **3** (LARGE)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40215/52*        | FREE<br>SOCKET | 40615/52*                        |
| 40235/52*        | FREE<br>PLUG   | 40635/52*                        |

\*3 contacts 2kV individually.  
3 contacts 2kV collectively.

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40275/52*        | FIXED PLUG           | 40675/52*                        |
| 40355/52*        | FIXED COUPLER PLUG   | 40755/52*                        |
| 40315/52*        | FREE COUPLER PLUG    | **                               |
| 40395/52*        | BULKHEAD PLUG/SOCKET | **                               |
| 40375/52*        | BULKHEAD SOCKET/PLUG | **                               |
| 40255/52*        | FIXED SOCKET         | 40655/52*                        |
| 40335/52*        | FIXED COUPLER SOCKET | 40735/52*                        |
| 40295/52*        | FREE COUPLER SOCKET  | **                               |

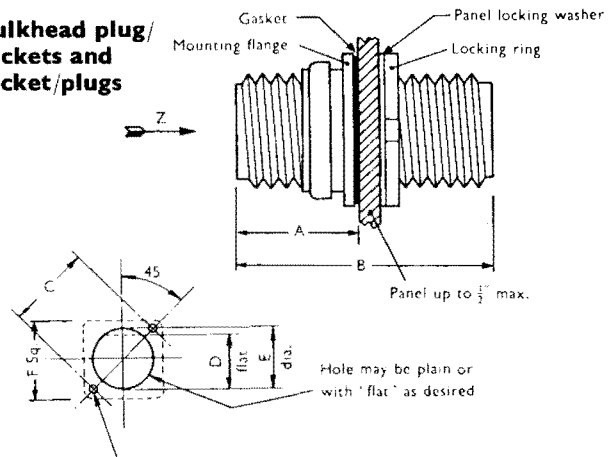
\*\* Items marked thus can be supplied, but special prices and protracted delivery may be unavoidable.  
\* 3rd digit of the suffix indicates orientation feature, i.e. 0=Neutral: 1 to 5=positions 1-5 respectively.



| Contact Arrangement | Wt (oz.) | Shell size | A   | B    | C     | D flat | E dia. | F sq. |
|---------------------|----------|------------|-----|------|-------|--------|--------|-------|
| 2-19 amp. 250 V     | 1.8      | 1          | .88 | 1.84 | 1.080 | .811   | .848   | 1.12  |
| 3-5 amp. 250 V      | 1.7      |            |     |      | to    | to     | to     |       |
| 4-5 amp. 250 V      | 1.7      |            |     |      | 1.085 | .816   | .853   |       |
| 6-5 amp. 250 V      | 1.8      |            |     |      |       |        |        |       |
| 4-19 amp. 250 V     | 2.5      | 2          | .88 | 1.84 | 1.370 | 1.033  | 1.067  | 1.34  |
| 6-5 amp. 500 V      | 2.4      |            |     |      | to    | to     | to     |       |
| 6-5 amp. 2 kV       | 2.4      |            |     |      | 1.375 | 1.038  | 1.072  |       |
| 12-5 amp. 250 V     | 2.5      |            |     |      |       |        |        |       |
| 6-19 amp. 2.5 kV    | 4.4      | 3          | .97 | 2.06 | 1.810 | 1.410  | 1.442  | 1.72  |
| 18-5 amp. spec.     | 4.3      |            |     |      | to    | to     | to     |       |
| 25-5 amp. 250 V     | 4.5      |            |     |      | 1.815 | 1.415  | 1.447  |       |

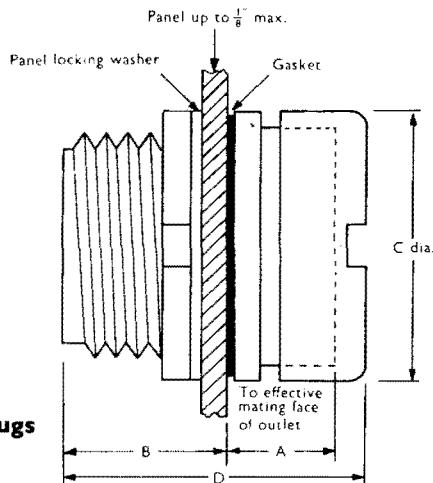
PANEL PIERCING DETAILS IN DIRECTION OF ARROW "Z"

**Bulkhead plug/sockets and socket/plugs**



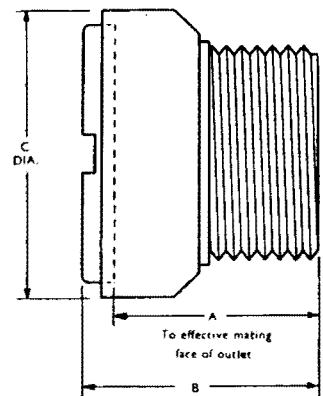
2 holes .125" dia. drilled right through on panels up to 1/16" thick. Need not exceed 1/16" depth on other thicknesses

**MAY BE MOUNTED FROM THE REAR OF THE PANEL ONLY**



**Fixed coupler plugs and sockets**

**Free coupler plugs and sockets**



| Contact Arrangement | Weight (oz.) |      | Shell Size | A   | B   | C dia. | D     |
|---------------------|--------------|------|------------|-----|-----|--------|-------|
|                     | Plug         | Skt. |            |     |     |        |       |
| 2-19 amp. 250 V     | 1.0          | 1.0  | 1          | .31 | .60 | 1.125  | 1.054 |
| 3-5 amp. 250 V      | 1.0          | 1.0  |            |     |     |        |       |
| 4-5 amp. 250 V      | 1.0          | 1.1  |            |     |     |        |       |
| 6-5 amp. 250 V      | 1.1          | 1.1  |            |     |     |        |       |
| 2-35 amp. 250 V     | 1.4          | 1.4  | 2          | .30 | .60 | 1.343  | 1.034 |
| 3-19 amp. 2 kV      | 1.3          | 1.3  |            |     |     |        |       |
| 4-19 amp. 250 V     | 1.4          | 1.4  |            |     |     |        |       |
| 6-5 amp. 500 V      | 1.7          | 1.8  |            |     |     |        |       |
| 6-5 amp. 2 kV       | 1.6          | 1.7  | 3          | .36 | .67 | 1.718  | 1.177 |
| 12-5 amp. 250 V     | 1.9          | 1.9  |            |     |     |        |       |
| 3-60 amp. 250 V     | 2.8          | 2.5  |            |     |     |        |       |
| 1-19 amp.           |              |      |            |     |     |        |       |
| 2-60 amp. 250 V     | 2.7          | 2.7  | 3          | .36 | .67 | 1.718  | 1.177 |
| 3-19 amp.           |              |      |            |     |     |        |       |
| 6-19 amp. 2.5 kV    | 2.4          | 2.4  |            |     |     |        |       |
| 9-19 amp. 250 V     | 2.6          | 2.7  |            |     |     |        |       |
| 18-5 amp. spec.     | 2.3          | 2.2  | 3          | .36 | .67 | 1.718  | 1.177 |
| 25-5 amp. 250 V     | 2.5          | 2.7  |            |     |     |        |       |

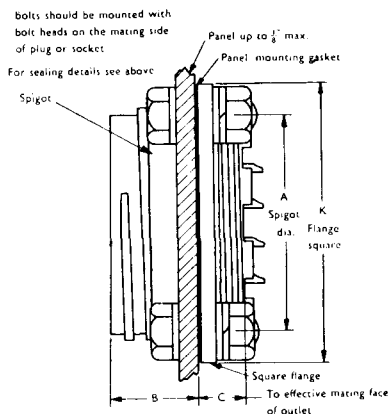
| Contact Arrangement | Weight (oz.) |      | Shell Size | A    | B     | C dia. |
|---------------------|--------------|------|------------|------|-------|--------|
|                     | Plug         | Skt. |            |      |       |        |
| 2-19 amp. 250 V     | 1.0          | 1.0  | 1          | .91  | 1.054 | 1.2    |
| 3-5 amp. 250 V      | 1.0          | 1.0  |            |      |       |        |
| 4-5 amp. 250 V      | 1.0          | 1.1  |            |      |       |        |
| 6-5 amp. 250 V      | 1.1          | 1.1  |            |      |       |        |
| 2-35 amp. 250 V     | 1.4          | 1.3  | 2          | .90  | 1.034 | 1.425  |
| 3-19 amp. 2 kV      | 1.3          | 1.3  |            |      |       |        |
| 4-19 amp. 250 V     | 1.4          | 1.4  |            |      |       |        |
| 6-5 amp. 500 V      | 1.7          | 1.8  |            |      |       |        |
| 6-5 amp. 2 kV       | 1.6          | 1.7  | 3          | 1.03 | 1.177 | .796   |
| 12-5 amp. 250 V     | 1.9          | 1.9  |            |      |       |        |
| 3-60 amp. 250 V     | 2.6          | 2.3  |            |      |       |        |
| 1-19 amp.           |              |      |            |      |       |        |
| 2-60 amp. 250 V     | 2.5          | 2.5  | 3          | 1.03 | 1.177 | .796   |
| 3-19 amp.           |              |      |            |      |       |        |
| 6-19 amp. 2.5 kV    | 2.2          | 2.2  |            |      |       |        |
| 9-19 amp. 250 V     | 2.4          | 2.5  |            |      |       |        |
| 18-5 amp. spec.     | 2.3          | 2.2  | 3          | 1.03 | 1.177 | .796   |
| 25-5 amp. 250 V     | 2.5          | 2.7  |            |      |       |        |



### Fixed coupler plugs and sockets (Square flange)

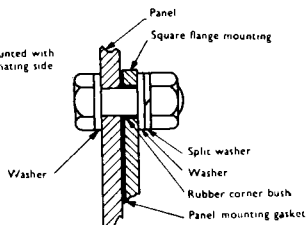
These plugs and sockets are supplied complete with panel mounting gasket, corner bushes, nuts, bolts and washers.

#### MOUNTED FROM REAR OF PANEL



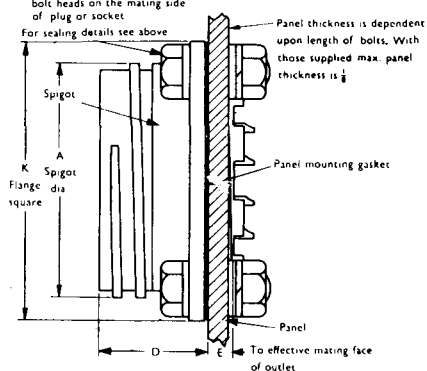
#### SEALING DETAILS

Bolts should be mounted with bolt heads on the mating side of plug or socket

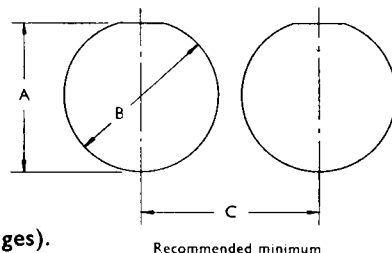


#### MOUNTED FROM FRONT OF PANEL

Bolts should be mounted with bolt heads on the mating side of plug or socket  
For sealing details see above



#### Panel piercing details

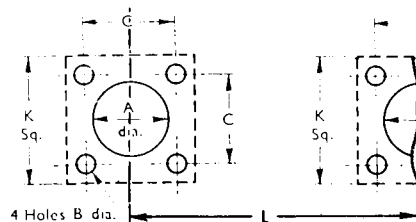


For fixed plugs or sockets (round flanges).

| Shell Size | A           | B dia.      | C     | Panel Mounting Washer* 508/2/ |
|------------|-------------|-------------|-------|-------------------------------|
| 1          | ·811/·816   | ·848/·853   | 1·312 | 07810/005                     |
| 2          | 1·033/1·038 | 1·067/1·072 | 1·562 | 07811/005                     |
| 3          | 1·410/1·415 | 1·442/1·447 | 2·00  | 07812/005                     |

#### Panel piercing details

For fixed coupler plugs and sockets (square flange).



| Shell Size | A dia. | B dia. | C     | K sq. | L    |
|------------|--------|--------|-------|-------|------|
| 1          | ·995   | ·147   | 1·000 | 1·33  | 1·45 |
|            | 1·000  | 4BA    |       |       |      |
| 2          | 1·215  | ·191   | 1·235 | 1·65  | 1·71 |
|            | 1·220  | 2BA    |       |       |      |
| 3          | 1·590  | ·191   | 1·515 | 1·92  | 2·19 |
|            | 1·595  | 2BA    |       |       |      |

| Contact Arrangement | Weight(oz.) |     | Shell Size | A dia. | B   | C   | D   | E   | K sq. |
|---------------------|-------------|-----|------------|--------|-----|-----|-----|-----|-------|
|                     | Plug        | Skt |            |        |     |     |     |     |       |
| 2-19 amp. 250 V     | 2·6         | 2·7 | 1          |        |     |     |     |     |       |
| 3-5 amp. 250 V      | 2·7         | 2·6 |            | ·995   | ·54 | ·38 | ·67 | ·26 | 1·33  |
| 4-5 amp. 250 V      | 2·7         | 2·7 |            | 1·000  |     |     |     |     |       |
| 6-5 amp. 250 V      | 2·7         | 2·7 |            |        |     |     |     |     |       |
| 2-35 amp. 250 V     | 4·1         | 4·0 | 2          |        |     |     |     |     |       |
| 3-19 amp. 2 kV      | 4·0         | 4·0 |            |        |     |     |     |     |       |
| 4-19 amp. 250 V     | 4·1         | 4·1 |            | 1·215  | ·55 | ·38 | ·68 | ·26 | 1·65  |
| 6-5 amp. 500 V      | 4·0         | 4·0 |            | 1·220  |     |     |     |     |       |
| 6-5 amp. 2 kV       | 4·0         | 4·0 |            |        |     |     |     |     |       |
| 12-5 amp. 250 V     | 4·1         | 4·1 |            |        |     |     |     |     |       |
| 3-60 amp. } 250 V   | 6·2         | 5·9 | 3          |        |     |     |     |     |       |
| 1-19 amp. }         |             |     |            |        |     |     |     |     |       |
| 2-60 amp. } 250 V   | 6·1         | 6·2 |            |        |     |     |     |     |       |
| 3-19 amp. }         |             |     |            |        |     |     |     |     |       |
| 6-19 amp. 2·5 kV    | 5·9         | 5·9 |            | 1·590  | ·61 | ·40 | ·77 | ·25 | 1·92  |
| 9-19 amp. 250 V     | 6·0         | 6·1 |            | 1·595  |     |     |     |     |       |
| 13-12 amp. 250 V    | 6·1         | 6·1 |            |        |     |     |     |     |       |
| 18-5 amp. spec.     | 5·9         | 5·9 |            |        |     |     |     |     |       |
| 25-5 amp. 250 V     | 6·0         | 5·9 |            |        |     |     |     |     |       |



## Mark 7 Connectors Aluminium and brass

Designed to be mechanically interchangeable and interchangeable with existing Plessey Mark 4, Mark 4 crimp and Mark 5 connectors, these new ranges, by virtue of their improved characteristics, are the only types which should be specified for new equipments. The Mark 7 range is divided into the following classes:

### Pattern 104 Temperature category T4

–55 °C to +100 °C ambient.

Incorporating a monobloc blue/grey chloroprene insulator, this type has good resistance to solvents clause as per 6.35 of DEF5325–2. Referred to in catalogue as A4 (Aluminium range) and B4 (Brass range).

### Pattern 104 Temperature category T6

–55 °C to +150 °C ambient.

For the extended temperature range and solvent resistance complying with clause 6.35 of DEF5325, the monobloc insulator is of green fluorinated silicone rubber. Also available in brass housings additional to specification requirements. Referred to in catalogue as A6 (Aluminium range).

## Design and electrical characteristics

### Manufactured

in accordance with conditions specified in DEF5325–2, Pattern 104.

### Pressure sealed

against 20 lb per square inch gauge pressure, with a leakage rate not exceeding 1 cc per hour.

### Current ratings

of 5, 12, 19, 35 and 60A. (Ministry of Defence Rating 2.5, 12, 16, 35 and 60A respectively).

### Insulation resistance

between any contact and earth is in excess of 5000 M $\Omega$  as per specification.

### Plug pins and socket inserts

All contacts are of brass, silver plated. Gold or other special finishes should be specified at time of ordering. All contacts give a maximum contact resistance of 2 m $\Omega$ .

### Vibration proof

Mated units are secured by a coupling nut on the free unit which engages with a thread on the shell of the mating member, and are proof tested to meet the vibration requirements of DEF5011 sec. V.2.

### Housings

Shells are manufactured from aluminium alloy, or brass, cadmium plated and passivated olive drab finish.

## Voltage ratings (M.O.A.)

|                                        | Normal voltage contacts |           |            | High voltage contacts |           |            |
|----------------------------------------|-------------------------|-----------|------------|-----------------------|-----------|------------|
|                                        | Sea level               | 30,000 ft | 100,000 ft | Sea level             | 30,000 ft | 100,000 ft |
| d.c. Working voltage                   | 350                     | 350       | 100        | 1500                  | 1200      | 120        |
| a.c. Working voltage (r.m.s. 45/60 Hz) | 250                     | 250       | 70         | 1070                  | 850       | 80         |
| Voltage Proof (d.c. or a.c., peak)     | 1700                    | 1700      | 200        | 4000                  | 3000      | 250        |

A feature of the Mark 7 range is a positive metal-to-metal stop ensuring correct engaged length on coupled items and positive screen continuity. This automatically guarantees sealing between members by virtue of the controlled compression thus obtained on the seating gasket. To resist damage by ill-used test probes socket inserts have been redesigned to the latest M.O.A. specification requirements. Mark 7 fixed units round flange have an integral flange replacing the panel mounting ring as used on the Mark 4 range. Castellations have also been incorporated on the rear of the Mark 7 fixed units to accept cable fittings. When cable fittings are required, outlet nuts must be specified as additional items. Mark 7 fixed units square flange are available in the Brass range only.

Panel mounting gaskets of the Mark 7 fixed range are "O" ring section, and with the rubber fittings are of green fluorinated silicone rubber.

An "olive drab" finish is standard on all Mark 7 units as an added protection against corrosion.

### Coupling threads

ALUMINIUM. All coupling threads are a fine Whitworth form thread.

BRASS. Coupling threads are a coarse Acme form thread.

### Mismating

The feature of orientation eliminates the possibility of mismating between adjacent plugs or sockets of similar contact arrangement.

### Contact arrangement

A comprehensive range is available from 2 contacts to 25 contacts which are housed in three sizes of shell, viz.: Shell Size 1 (small), Shell Size 2 (medium), and Shell size 3 (large).

### Cable fittings

Cable fittings ensure adequate weatherproofing at entry and are available for both multicore and single core cables. Complete screening is provided for, and mechanical strain is taken on the outer covering of the cable and not by the electrical connections. All types of multicore cable to Ministry of Defence specification DEF10 are accommodated in addition to uncore cable, and Uniradio cables to specification DEF14, Type 1B1. Cable entry fittings are not supplied as part of a plug or socket and must be ordered separately.

|                     |                 |                 |
|---------------------|-----------------|-----------------|
| Free Socket         | 508/1/07000/220 | 508/1/07000/320 |
| Free Plug           | 508/1/07020/220 | 508/1/07020/320 |
| Fixed Plug          | 508/1/07060/220 | 508/1/07060/320 |
| Free Coupler Plug   | 508/1/07100/220 | 508/1/07100/320 |
| Fixed Socket        | 508/1/07040/220 | 508/1/07040/320 |
| Free Coupler Socket | 508/1/07080/220 | 508/1/07080/320 |
|                     |                 |                 |
|                     |                 |                 |
| Ambient temperature | -55° to +100°C  | -55° to +150°C  |

Shell size 1



Datum keyway

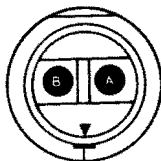
|                              |                 |                 |
|------------------------------|-----------------|-----------------|
| Free Socket                  | 508/1/07200/220 | 508/1/07200/320 |
| Free Plug                    | 508/1/07220/220 | 508/1/07220/320 |
| Fixed Plug (Round Flange)    | 508/1/07340/220 | 508/1/07340/320 |
| Fixed Plug (Square Flange)   | 508/1/07260/220 | 508/1/07260/320 |
| Free Coupler Plug            | 508/1/07300/220 | 508/1/07300/320 |
| Fixed Socket (Round Flange)  | 508/1/07320/220 | 508/1/07320/320 |
| Fixed Socket (Square Flange) | 508/1/07240/220 | 508/1/07240/320 |
| Free Coupler Socket          | 508/1/07280/220 | 508/1/07280/320 |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C  |

## 2 contact 35 A 250 V A.C.

### aluminium

|                     | Chloroprene     | Fluorinated Silicone |
|---------------------|-----------------|----------------------|
| Free Socket         | 508/1/07004/220 | 508/1/07004/320      |
| Free Plug           | 508/1/07024/220 | 508/1/07024/320      |
| Fixed Plug          | 508/1/07064/220 | 508/1/07064/320      |
| Free Coupler Plug   | 508/1/07104/220 | 508/1/07104/320      |
| Fixed Socket        | 508/1/07044/220 | 508/1/07044/320      |
| Free Coupler Socket | 508/1/07084/220 | 508/1/07084/320      |
|                     |                 |                      |
|                     |                 |                      |
| Ambient temperature | -55° to +100°C  | -55° to +150°C       |

Shell size 2



Datum keyway

### brass

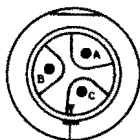
|                              | Chloroprene     | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07204/220 | 508/1/07204/320      |
| Free Plug                    | 508/1/07224/220 | 508/1/07224/320      |
| Fixed Plug (Round Flange)    | 508/1/07344/220 | 508/1/07344/320      |
| Fixed Plug (Square Flange)   | 508/1/07264/220 | 508/1/07264/320      |
| Free Coupler Plug            | 508/1/07304/220 | 508/1/07304/320      |
| Fixed Socket (Round Flange)  | 508/1/07324/220 | 508/1/07324/320      |
| Fixed Socket (Square Flange) | 508/1/07244/220 | 508/1/07244/320      |
| Free Coupler Socket          | 508/1/07284/220 | 508/1/07284/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

## 3 contact 5 A 250 V A.C.

### aluminium

|                     | Patt. 104 A4    | Patt. 104 A6    |
|---------------------|-----------------|-----------------|
| Free Socket         | 508/1/07001/220 | 508/1/07001/320 |
| Free Plug           | 508/1/07021/220 | 508/1/07021/320 |
| Fixed Plug          | 508/1/07061/220 | 508/1/07061/320 |
| Free Coupler Plug   | 508/1/07101/220 | 508/1/07101/320 |
| Fixed Socket        | 508/1/07041/220 | 508/1/07041/320 |
| Free Coupler Socket | 508/1/07081/220 | 508/1/07081/320 |
|                     |                 |                 |
|                     |                 |                 |
| Ambient temperature | -55° to +100°C  | -55° to +150°C  |

Shell size 1



Datum keyway

Note: Only neutral and /5 orientation variations are available in this arrangement.

### brass

|                              | Patt. 104 B4    | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07201/220 | 508/1/07201/320      |
| Free Plug                    | 508/1/07221/220 | 508/1/07221/320      |
| Fixed Plug (Round Flange)    | 508/1/07341/220 | 508/1/07341/320      |
| Fixed Plug (Square Flange)   | 508/1/07261/220 | 508/1/07261/320      |
| Free Coupler Plug            | 508/1/07301/220 | 508/1/07301/320      |
| Fixed Socket (Round Flange)  | 508/1/07321/220 | 508/1/07321/320      |
| Fixed Socket (Square Flange) | 508/1/07241/220 | 508/1/07241/320      |
| Free Coupler Socket          | 508/1/07281/220 | 508/1/07281/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

To specify orientated version: replace last digit of part number with relevant position number, e.g. 508/1/07004/225 = orientation position 5.

Tel. Crawley (0293) 28700 Telex 87131

**SASCO**

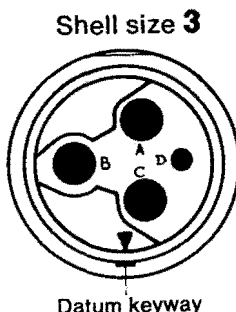
Tel. Glasgow (041-221) 6152 Telex 778841



**3 contact 60 A 250 V A.C.  
1 contact 19 A 250 V A.C.**

**aluminium**

|                     | Patt. 104 A4    | Patt. 104 A6    |
|---------------------|-----------------|-----------------|
| Free Socket         | 508/1/07010/220 | 508/1/07010/320 |
| Free Plug           | 508/1/07030/220 | 508/1/07030/320 |
| Fixed Plug          | 508/1/07070/220 | 508/1/07070/320 |
| Free Coupler Plug   | 508/1/07110/220 | 508/1/07110/220 |
| Fixed Socket        | 508/1/07050/220 | 508/1/07050/320 |
| Free Coupler Socket | 508/1/07090/220 | 508/1/07090/320 |
|                     |                 |                 |
|                     |                 |                 |
| Ambient temperature | -55° to +100°C  | -55° to +150°C  |



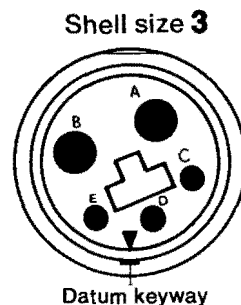
**brass**

|                              | Patt. 104 B4    | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07210/220 | 508/1/07210/320      |
| Free Plug                    | 508/1/07230/220 | 508/1/07230/320      |
| Fixed Plug (Round Flange)    | 508/1/07350/220 | 508/1/07350/320      |
| Fixed Plug (Square Flange)   | 508/1/07270/220 | 508/1/07270/320      |
| Free Coupler Plug            | 508/1/07310/220 | 508/1/07310/320      |
| Fixed Socket (Round Flange)  | 508/1/07330/220 | 508/1/07330/320      |
| Fixed Socket (Square Flange) | 508/1/07250/220 | 508/1/07250/320      |
| Free Coupler Socket          | 508/1/07290/220 | 508/1/07290/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

**2 contact 60 A 250 V A.C.  
3 contact 19 A 250 V A.C.**

**aluminium**

|                     | Chloroprene     | Fluorinated Silicone |
|---------------------|-----------------|----------------------|
| Free Socket         | 508/1/07011/220 | 508/1/07011/320      |
| Free Plug           | 508/1/07031/220 | 508/1/07031/320      |
| Fixed Plug          | 508/1/07071/220 | 508/1/07071/320      |
| Free Coupler Plug   | 508/1/07111/220 | 508/1/07111/320      |
| Fixed Socket        | 508/1/07051/220 | 508/1/07051/320      |
| Free Coupler Socket | 508/1/07091/220 | 508/1/07091/320      |
|                     |                 |                      |
|                     |                 |                      |
| Ambient temperature | -55° to +100°C  | -55° to +150°C       |



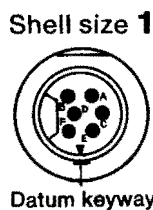
**brass**

|                              | Chloroprene     | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07211/220 | 508/1/07211/320      |
| Free Plug                    | 508/1/07231/220 | 508/1/07231/320      |
| Fixed Plug (Round Flange)    | 508/1/07351/220 | 508/1/07351/320      |
| Fixed Plug (Square Flange)   | 508/1/07271/220 | 508/1/07271/320      |
| Free Coupler Plug            | 508/1/07311/220 | 508/1/07311/320      |
| Fixed Socket (Round Flange)  | 508/1/07331/220 | 508/1/07331/320      |
| Fixed Socket (Square Flange) | 508/1/07251/220 | 508/1/07251/320      |
| Free Coupler Socket          | 508/1/07291/220 | 508/1/07291/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

**6 contact 5 A 250 V A.C.**

**aluminium**

|                     | Patt. 104 A4    | Patt. 104 A6    |
|---------------------|-----------------|-----------------|
| Free Socket         | 508/1/07003/220 | 508/1/07003/320 |
| Free Plug           | 508/1/07023/220 | 508/1/07023/320 |
| Fixed Plug          | 508/1/07063/220 | 508/1/07063/320 |
| Free Coupler Plug   | 508/1/07103/220 | 508/1/07103/320 |
| Fixed Socket        | 508/1/07043/220 | 508/1/07043/320 |
| Free Coupler Socket | 508/1/07083/220 | 508/1/07083/320 |
|                     |                 |                 |
|                     |                 |                 |
| Ambient temperature | -55° to +100°C  | -55° to +150°C  |

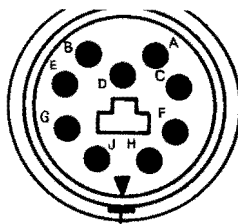


**brass**

|                              | Patt. 104 B4    | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07203/220 | 508/1/07203/320      |
| Free Plug                    | 508/1/07223/220 | 508/1/07223/320      |
| Fixed Plug (Round Flange)    | 508/1/07343/220 | 508/1/07343/320      |
| Fixed Plug (Square Flange)   | 508/1/07263/220 | 508/1/07263/320      |
| Free Coupler Plug            | 508/1/07303/220 | 508/1/07303/320      |
| Fixed Socket (Round Flange)  | 508/1/07323/220 | 508/1/07323/320      |
| Fixed Socket (Square Flange) | 508/1/07243/220 | 508/1/07243/320      |
| Free Coupler Socket          | 508/1/07283/220 | 508/1/07283/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

To specify orientated version: replace last digit of part number with relevant position number, e.g. 508/1/07011/225 = orientation position 5.

|                     |                 |                 |
|---------------------|-----------------|-----------------|
| Free Plug           | 508/1/07033/220 | 508/1/07033/320 |
| Fixed Plug          | 508/1/07073/220 | 508/1/07073/320 |
| Free Coupler Plug   | 508/1/07113/220 | 508/1/07113/320 |
| Fixed Socket        | 508/1/07053/220 | 508/1/07053/320 |
| Free Coupler Socket | 508/1/07093/220 | 508/1/07093/320 |
|                     |                 |                 |
| Ambient temperature | -55° to +100°C  | -55° to +150°C  |



Datum keyway

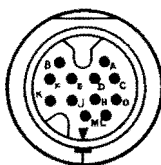
|                              |                 |                 |
|------------------------------|-----------------|-----------------|
| Free Plug                    | 508/1/07233/220 | 508/1/07233/320 |
| Fixed Plug (Round Flange)    | 508/1/07353/220 | 508/1/07353/320 |
| Fixed Plug (Square Flange)   | 508/1/07273/220 | 508/1/07273/320 |
| Free Coupler Plug            | 508/1/07313/220 | 508/1/07313/320 |
| Fixed Socket (Round Flange)  | 508/1/07333/220 | 508/1/07333/320 |
| Fixed Socket (Square Flange) | 508/1/07253/220 | 508/1/07253/320 |
| Free Coupler Socket          | 508/1/07293/220 | 508/1/07293/320 |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C  |

**12 contact 5 A 250 V A.C.**

**aluminium**

|                     | Patt. 104 A4    | Patt. 104 A6    |
|---------------------|-----------------|-----------------|
| Free Socket         | 508/1/07009/220 | 508/1/07009/320 |
| Free Plug           | 508/1/07029/220 | 508/1/07029/320 |
| Fixed Plug          | 508/1/07069/220 | 508/1/07069/320 |
| Free Coupler Plug   | 508/1/07109/220 | 508/1/07109/320 |
| Fixed Socket        | 508/1/07049/220 | 508/1/07049/320 |
| Free Coupler Socket | 508/1/07089/220 | 508/1/07089/320 |
|                     |                 |                 |
| Ambient temperature | -55° to +100°C  | -55° to +150°C  |

**Shell size 2**



Datum keyway

**brass**

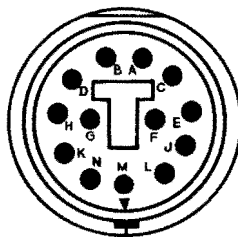
|                              | Patt. 104 B4    | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07209/220 | 508/1/07209/320      |
| Free Plug                    | 508/1/07229/220 | 508/1/07229/320      |
| Fixed Plug (Round Flange)    | 508/1/07349/220 | 508/1/07349/320      |
| Fixed Plug (Square Flange)   | 508/1/07269/220 | 508/1/07269/320      |
| Free Coupler Plug            | 508/1/07309/220 | 508/1/07309/320      |
| Fixed Socket (Round Flange)  | 508/1/07329/220 | 508/1/07329/320      |
| Fixed Socket (Square Flange) | 508/1/07249/220 | 508/1/07249/320      |
| Free Coupler Socket          | 508/1/07289/220 | 508/1/07289/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

**13 contact 12 A 250 V A.C.**

**aluminium**

|                     | Chloroprene     | Fluorinated Silicone |
|---------------------|-----------------|----------------------|
| Free Socket         | 508/1/07014/220 | 508/1/07014/320      |
| Free Plug           | 508/1/07034/220 | 508/1/07034/320      |
| Fixed Plug          | 508/1/07074/220 | 508/1/07074/320      |
| Free Coupler Plug   | 508/1/07114/220 | 508/1/07114/320      |
| Fixed Socket        | 508/1/07054/220 | 508/1/07054/320      |
| Free Coupler Socket | 508/1/07094/220 | 508/1/07094/320      |
|                     |                 |                      |
| Ambient temperature | -55° to +100°C  | -55° to +150°C       |

**Shell size 3**



Datum keyway

**brass**

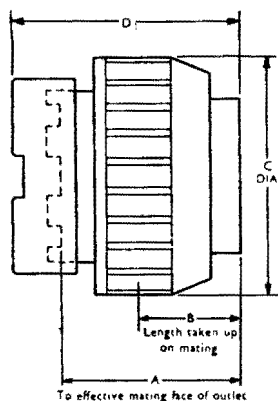
|                              | Chloroprene     | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07214/220 | 508/1/07214/320      |
| Free Plug                    | 508/1/07234/220 | 508/1/07234/320      |
| Fixed Plug (Round Flange)    | 508/1/07354/220 | 508/1/07354/320      |
| Fixed Plug (Square Flange)   | 508/1/07274/220 | 508/1/07274/320      |
| Free Coupler Plug            | 508/1/07314/220 | 508/1/07314/320      |
| Fixed Socket (Round Flange)  | 508/1/07334/220 | 508/1/07334/320      |
| Fixed Socket (Square Flange) | 508/1/07254/220 | 508/1/07254/320      |
| Free Coupler Socket          | 508/1/07294/220 | 508/1/07294/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

To specify orientated version: replace last digit of part number with relevant position number, e.g. 508/1/07009/225 = orientation position 5.

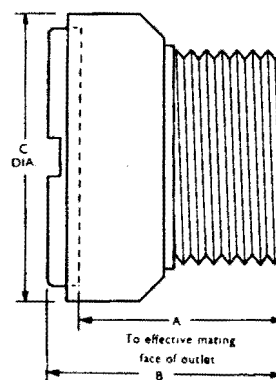


## Dimensions and weights aluminium Mark 7 plugs and sockets

### Free plugs and sockets



### Free coupler plugs and sockets



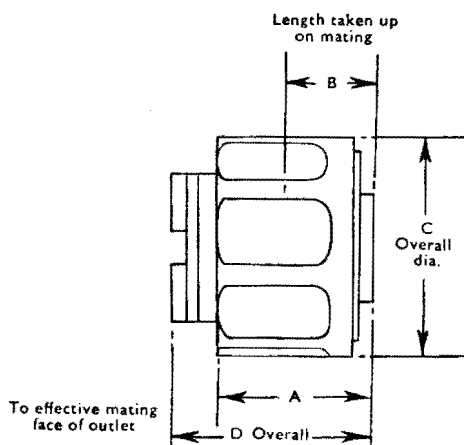
| Contact Arrangement       | Average Weight (oz.) |      | Shell Size | A    | B   | C dia. max. | D    | Coupling Thread Dia x 20T.P.I B.S.84 |
|---------------------------|----------------------|------|------------|------|-----|-------------|------|--------------------------------------|
|                           | Plug                 | Skt. |            |      |     |             |      |                                      |
| 2-19 amp. 250 V           | .7                   | .7   | 1          | .87  | .29 | 1.16        | 1.02 | .8437                                |
| 3-5 amp. 250 V            | .7                   | .7   |            |      |     |             |      |                                      |
| 4-5 amp. 250 V            | .7                   | .7   |            |      |     |             |      |                                      |
| 6-5 amp. 250 V            | .7                   | .8   |            |      |     |             |      |                                      |
| 2-35 amp. 250 V           | 1.1                  | 1.1  | 2          | .87  | .29 | 1.39        | 1.02 | 1.0625                               |
| 3-19 amp. 2 kV            | 1.1                  | 1.1  |            |      |     |             |      |                                      |
| 4-19 amp. 250 V           | 1.1                  | 1.1  |            |      |     |             |      |                                      |
| 6-5 amp. 500 V            | 1.1                  | 1.1  |            |      |     |             |      |                                      |
| 6-5 amp. 2 kV             | 1.3                  | 1.4  |            |      |     |             |      |                                      |
| 12-5 amp. 250 V           | 1.2                  | 1.2  |            |      |     |             |      |                                      |
| 3-60 amp. 250 V 1-19 amp. | 2.3                  | 2.1  | 3          | 1.07 | .41 | 1.76        | 1.25 | 1.4375                               |
| 2-60 amp. 250 V 3-19 amp. | 2.15                 | 2.3  |            |      |     |             |      |                                      |
| 6-19 amp. 2.5 kV          | 2.0                  | 2.0  |            |      |     |             |      |                                      |
| 9-19 amp. 250 V           | 2.1                  | 2.2  |            |      |     |             |      |                                      |
| 13-12 amp. 250 V          | 2.0                  | 1.9  |            |      |     |             |      |                                      |
| 18-5 amp. spec.           | 1.9                  | 1.8  |            |      |     |             |      |                                      |
| 25-5 amp. 250 V           | 1.8                  | 2.0  |            |      |     |             |      |                                      |

| Contact Arrangement       | Average Weight (oz.) |      | Shell Size | A    | B    | C dia. |
|---------------------------|----------------------|------|------------|------|------|--------|
|                           | Plug                 | Skt. |            |      |      |        |
| 2-19 amp. 250 V           | 1.0                  | 1.0  | 1          | .96  | 1.11 | 1.16   |
| 3-5 amp. 250 V            | 1.0                  | 1.0  |            |      |      |        |
| 4-5 amp. 250 V            | 1.0                  | 1.1  |            |      |      |        |
| 6-5 amp. 250 V            | 1.1                  | 1.1  |            |      |      |        |
| 2-35 amp. 250 V           | 1.4                  | 1.3  | 2          | .96  | 1.11 | 1.39   |
| 3-19 amp. 2 kV            | 1.3                  | 1.3  |            |      |      |        |
| 4-19 amp. 250 V           | 1.4                  | 1.4  |            |      |      |        |
| 6-5 amp. 500 V            | 1.7                  | 1.8  |            |      |      |        |
| 6-5 amp. 2 kV             | 1.6                  | 1.7  |            |      |      |        |
| 12-5 amp. 250 V           | 1.9                  | 1.9  |            |      |      |        |
| 3-60 amp. 250 V 1-19 amp. | 2.6                  | 2.3  | 3          | 1.07 | 1.24 | 1.76   |
| 2-60 amp. 250 V 3-19 amp. | 2.5                  | 2.5  |            |      |      |        |
| 6-19 amp. 2.5 kV          | 2.2                  | 2.2  |            |      |      |        |
| 9-19 amp. 250 V           | 2.4                  | 2.5  |            |      |      |        |
| 13-12 amp. 250 V          | 2.0                  | 2.0  |            |      |      |        |
| 18-5 amp. spec.           | 2.3                  | 2.2  |            |      |      |        |
| 25-5 amp. 250 V           | 2.5                  | 2.7  |            |      |      |        |

All dimensions are in inches and are nominal except where otherwise stated.

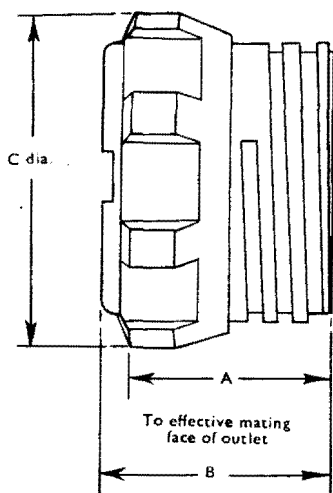
and sockets

## Free plugs and sockets



| Contact Arrangement | Average Weight (oz.) |      | Shell Size | A    | B   | C dia. | D    | Coupling Thread Dia. X 6 T.P.I. Modified Acme. |
|---------------------|----------------------|------|------------|------|-----|--------|------|------------------------------------------------|
|                     | Plug                 | Skt. |            |      |     |        |      |                                                |
| 2-19 amp. 250 V     | 2.5                  | 2.5  | 1          | .87  | .29 | 1.25   | 1.02 | .986<br>.990                                   |
| 3-5 amp. 250 V      | 2.5                  | 2.5  |            |      |     |        |      |                                                |
| 4-5 amp. 250 V      | 2.5                  | 2.5  |            |      |     |        |      |                                                |
| 6-5 amp. 250 V      | 2.6                  | 2.6  |            |      |     |        |      |                                                |
| 2-35 amp. 250 V     | 3.5                  | 3.4  | 2          | .87  | .29 | 1.51   | 1.02 | 1.205<br>1.209                                 |
| 3-19 amp. 2 kV      | 3.4                  | 3.4  |            |      |     |        |      |                                                |
| 4-19 amp. 250 V     | 3.4                  | 3.4  |            |      |     |        |      |                                                |
| 6-5 amp. 500 V      | 3.4                  | 3.4  |            |      |     |        |      |                                                |
| 6-5 amp. 2 kV       | 3.4                  | 3.4  |            |      |     |        |      |                                                |
| 12-5 amp. 250 V     | 3.4                  | 3.4  |            |      |     |        |      |                                                |
| 3-60 amp. } 250 V   | 5.8                  | 5.5  | 3          | 1.07 | .41 | 1.92   | 1.25 | 1.581<br>1.585                                 |
| 1-19 amp. } 250 V   | 5.6                  | 5.7  |            |      |     |        |      |                                                |
| 2-60 amp. } 250 V   | 5.6                  | 5.7  |            |      |     |        |      |                                                |
| 3-19 amp. } 250 V   | 5.6                  | 5.7  |            |      |     |        |      |                                                |
| 6-19 amp. 2.5 kV    | 5.4                  | 5.4  |            |      |     |        |      |                                                |
| 9-19 amp. 250 V     | 5.6                  | 5.7  |            |      |     |        |      |                                                |
| 13-12 amp. 250 V    | 5.6                  | 5.6  |            |      |     |        |      |                                                |
| 18-5 amp. spec.     | 5.5                  | 5.5  |            |      |     |        |      |                                                |
| 25-5 amp. 250 V     | 5.6                  | 5.6  |            |      |     |        |      |                                                |
| 25-5 amp. 250 V     | 5.6                  | 5.6  |            |      |     |        |      |                                                |

## Free coupler plugs and sockets



| Contract Arrangement | Average Weight (oz.) |      | Shell Size | A    | B    | C dia. |
|----------------------|----------------------|------|------------|------|------|--------|
|                      | Plug                 | Skt. |            |      |      |        |
| 2-19 amp. 250 V      | 2.5                  | 2.6  | 1          | .96  | 1.11 | 1.25   |
| 3-5 amp. 250 V       | 2.6                  | 2.6  |            |      |      |        |
| 4-5 amp. 250 V       | 2.6                  | 2.6  |            |      |      |        |
| 6-5 amp. 250 V       | 2.7                  | 2.7  |            |      |      |        |
| 2-35 amp. 250 V      | 3.6                  | 3.5  | 2          | .96  | 1.11 | 1.51   |
| 3-19 amp. 2 kV       | 3.6                  | 3.6  |            |      |      |        |
| 4-19 amp. 250 V      | 3.6                  | 3.6  |            |      |      |        |
| 6-5 amp. 500 V       | 3.6                  | 3.6  |            |      |      |        |
| 6-5 amp. 2 kV        | 3.6                  | 3.6  |            |      |      |        |
| 12-5 amp. 250 V      | 3.6                  | 3.6  |            |      |      |        |
| 3-60 amp. 250 V      | 5.9                  | 5.7  | 3          | 1.07 | 1.24 | 1.92   |
| 1-19 amp.            | 5.9                  | 6.0  |            |      |      |        |
| 2-60 amp. 250 V      | 5.9                  | 6.0  |            |      |      |        |
| 3-19 amp.            | 5.9                  | 5.9  |            |      |      |        |
| 6-9 amp. 2.5 kV      | 5.9                  | 5.9  |            |      |      |        |
| 9-19 amp. 250 V      | 5.9                  | 6.0  |            |      |      |        |
| 18-5 amp. spec.      | 5.9                  | 5.9  |            |      |      |        |
| 25-5 amp. 250 V      | 5.9                  | 6.0  |            |      |      |        |
| 13-12 amp. 250 V     | 6.0                  | 6.0  |            |      |      |        |

All dimensions are in inches and are nominal except where otherwise stated.

Tel. Crawley (0293) 28700 Telex 87131

**SASCO**

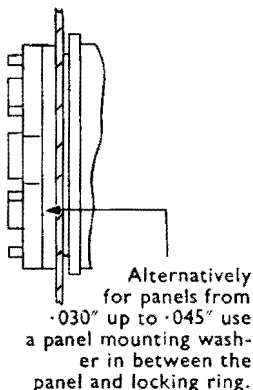
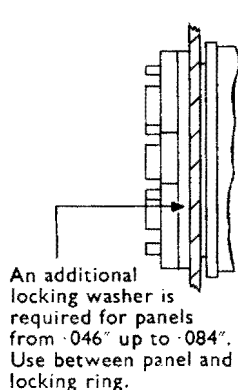
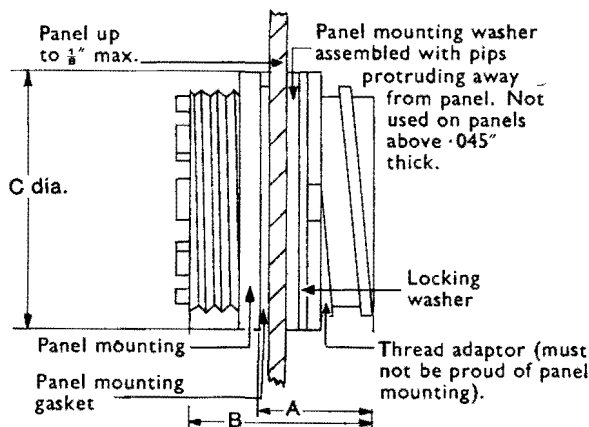
Tel. Glasgow (041-221) 6152 Telex 778841



**Fixed Plugs and Sockets**  
(Round flange)

**MOUNTED FROM REAR OF PANEL**

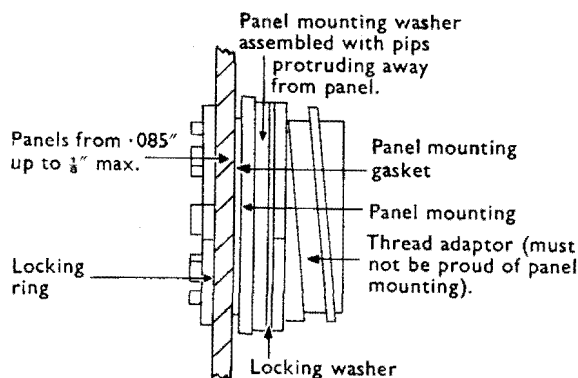
NORMAL OUTLETS MAY BE USED



| Shell Size | Locking Washer  | Panel Mounting Washer |
|------------|-----------------|-----------------------|
| 1          | 508/2/07549/001 | 508/2/07810/001       |
| 2          | 508/2/07550/001 | 508/2/07811/001       |
| 3          | 508/2/07551/001 | 508/2/07812/001       |

**MOUNTED FROM FRONT OF PANEL**

OUTLETS CANNOT BE USED



| Contact Arrangement | Weight (oz.) |      | Shell Size | A   | B    | C dia. |
|---------------------|--------------|------|------------|-----|------|--------|
|                     | Plug         | Skt. |            |     |      |        |
| 2-19 amp. 250 V     | 1.8          | 1.9  | 1          | .60 | .90  | 1.125  |
| 3-5 amp. 250 V      | 1.9          | 1.8  |            |     |      |        |
| 4-5 amp. 250 V      | 1.9          | 1.9  |            |     |      |        |
| 6-5 amp. 250 V      | 1.9          | 1.9  |            |     |      |        |
| 2-35 amp. 250 V     | 2.5          | 2.5  | 2          | .60 | .90  | 1.343  |
| 3-19 amp. 2 kV      | 2.4          | 2.4  |            |     |      |        |
| 4-19 amp. 250 V     | 2.5          | 2.5  |            |     |      |        |
| 6-5 amp. 500 V      | 2.4          | 2.4  |            |     |      |        |
| 6-5 amp. 2 kV       | 2.4          | 2.4  |            |     |      |        |
| 12-5 amp. 250 V     | 2.5          | 2.5  |            |     |      |        |
| 3-60 amp. } 250 V   | 4.1          | 3.9  | 3          | .67 | 1.02 | 1.718  |
| 1-19 amp. }         |              |      |            |     |      |        |
| 2-60 amp. }         |              |      |            |     |      |        |
| 3-19 amp. }         |              |      |            |     |      |        |
| 6-19 amp. 2.5 kV    | 3.8          | 3.8  |            |     |      |        |
| 9-19 amp. 250 V     | 4.0          | 4.1  |            |     |      |        |
| 13-12 amp. 250 V    | 3.6          | 3.6  |            |     |      |        |
| 18-5 amp. spec.     | 3.9          | 3.9  |            |     |      |        |
| 25-5 amp. 250 V     | 4.0          | 4.0  |            |     |      |        |

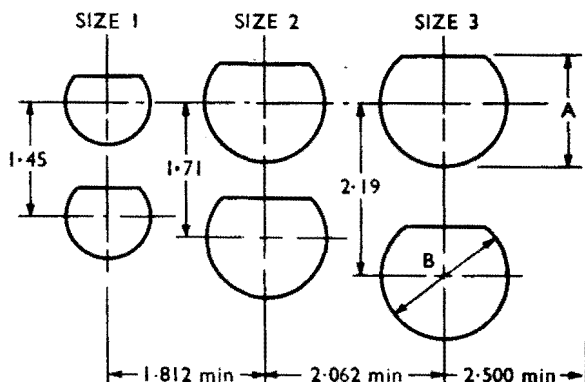
All dimensions are in inches.

| Shell Size | A           | B dia.      | Panel Mounting Washer* |
|------------|-------------|-------------|------------------------|
| 1          | .811/.816   | .848/.853   | 508/2/07810/001        |
| 2          | 1.033/1.038 | 1.067/1.072 | 508/2/07811/001        |
| 3          | 1.410/1.415 | 1.442/1.447 | 508/2/07812/001        |

\* Panel mounting washers are required where panel thickness is  $\frac{1}{16}$ " or less.

**Panel Piercing Details**

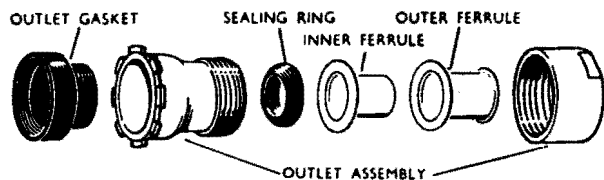
For fixed plugs or sockets (round flange)



Use the following charts to select the correct outlet accessory set to suit the type and size of cable and the shell group of plug or socket being used.

### DEFI0 Types B and Q Cable

Multicore cable with outer collective screen only (Vinmetsmall type)



Note: All rubber fittings are solvent resistant.

Mk. 7 { \*Note: suffix digit to be inserted to indicate temperature range required.  
T4= /2=chloroprene rubber items. T6= /3=Fluorinated silicone rubber items.

Suffix for Mk. 4/203 Aluminium, /205 Brass,

#### aluminium

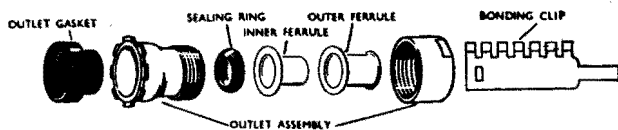
| Shell Size | Cable O/D   |             | Outlet Accessory Set with: |                  | For outlet dims. see code: |
|------------|-------------|-------------|----------------------------|------------------|----------------------------|
|            | Min.        | Max.        | Straight Outlet            | Rt. Angle Outlet |                            |
| 1          | .230        | .310        | 508/1/02741/*01            | 508/1/02758/*01  | a                          |
|            | .280        | .370        | 508/1/02742/*01            | 508/1/02759/*01  | a                          |
|            | .340        | .370        | 508/1/02743/*01            | 508/1/02760/*01  | b                          |
|            | .330 x .190 | .410 x .270 | 508/1/02744/*01            | 508/1/02761/*01  | b                          |
| 2          | .230        | .310        | 508/1/02745/*01            | 508/1/02762/*01  | c                          |
|            | .280        | .370        | 508/1/02746/*01            | 508/1/02763/*01  | c                          |
|            | .345        | .400        | 508/1/02747/*01            | 508/1/02764/*01  | d                          |
|            | .390        | .460        | 508/1/02748/*01            | 508/1/02765/*01  | d                          |
|            | .415        | .465        | 508/1/02749/*01            | 508/1/02766/*01  | e                          |
|            | .455        | .480        | 508/1/02750/*01            | 508/1/02767/*01  | e                          |
|            | .460        | .530        | 508/1/02751/*01            | 508/1/02768/*01  | f                          |
|            | .510        | .540        | 508/1/02752/*01            | 508/1/02769/*01  | f                          |
| 3          | .530        | .575        | 508/1/02753/*01            | 508/1/02770/*01  | f                          |
|            | .460        | .530        | 508/1/02754/*01            | 508/1/02771/*01  | g                          |
|            | .510        | .540        | 508/1/02755/*01            | 508/1/02772/*01  | g                          |
|            | .530        | .575        | 508/1/02756/*01            | 508/1/02773/*01  | h                          |
|            | .685        | .760        | 508/1/02757/*01            | 508/1/02774/*01  | h                          |

#### brass

|   |             |             |                 |                 |   |
|---|-------------|-------------|-----------------|-----------------|---|
| 1 | .230        | .310        | 508/1/02914/*01 | 508/1/02931/*01 | a |
|   | .280        | .370        | 508/1/02915/*01 | 508/1/02932/*01 | a |
|   | .340        | .370        | 508/1/02916/*01 | 508/1/02933/*01 | b |
|   | .330 x .190 | .410 x .270 | 508/1/02917/*01 | 508/1/02934/*01 | b |
| 2 | .230        | .310        | 508/1/02918/*01 | 508/1/02935/*01 | c |
|   | .280        | .370        | 508/1/02919/*01 | 508/1/02936/*01 | c |
|   | .345        | .400        | 508/1/02920/*01 | 508/1/02937/*01 | d |
|   | .390        | .460        | 508/1/02921/*01 | 508/1/02938/*01 | d |
|   | .415        | .465        | 508/1/02922/*01 | 508/1/02939/*01 | e |
|   | .455        | .480        | 508/1/02923/*01 | 508/1/02940/*01 | e |
|   | .460        | .530        | 508/1/02924/*01 | 508/1/02941/*01 | f |
|   | .510        | .540        | 508/1/02925/*01 | 508/1/02942/*01 | f |
| 3 | .530        | .575        | 508/1/02926/*01 | 508/1/02943/*01 | f |
|   | .460        | .530        | 508/1/02927/*01 | 508/1/02944/*01 | g |
|   | .510        | .540        | 508/1/02928/*01 | 508/1/02945/*01 | g |
|   | .530        | .575        | 508/1/02929/*01 | 508/1/02946/*01 | h |
|   | .685        | .760        | 508/1/02930/*01 | 508/1/02947/*01 | i |

### DEFI0 Type H Cable

Multicore cable with outer collective screen and individually screened H.T. leads (Corevinmetsmall type)



Note: All rubber fittings are solvent resistant.

Mk. 7 { \*Note: suffix digit to be inserted to indicate temperature range required.  
T4= /2=chloroprene rubber items. T6= /3=Fluorinated silicone rubber items.

Suffix for Mk. 4/203 Aluminium, /205 Brass,

#### aluminium

|   |      |      |                 |                 |   |
|---|------|------|-----------------|-----------------|---|
| 2 | .460 | .515 | 508/1/02798/*01 | 508/1/02802/*01 | f |
|   | .510 | .540 | 508/1/02799/*01 | 508/1/02803/*01 | f |
|   | .530 | .575 | 508/1/02800/*01 | 508/1/02804/*01 | f |
| 3 | .685 | .760 | 508/1/02801/*01 | 508/1/02805/*01 | h |

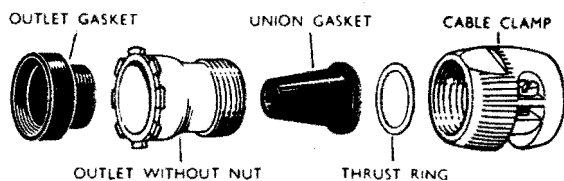
#### brass

|   |      |      |                 |                 |   |
|---|------|------|-----------------|-----------------|---|
| 2 | .460 | .515 | 508/1/02972/*01 | 508/1/02976/*01 | f |
|   | .510 | .540 | 508/1/02973/*01 | 508/1/02977/*01 | f |
|   | .530 | .575 | 508/1/02974/*01 | 508/1/02978/*01 | f |
| 3 | .685 | .760 | 508/1/02975/*01 | 508/1/02979/*01 | h |



## DEF10 Type A and P Cable

Multicore cable totally unscreened (Vinsmall type)



Note: All rubber fittings are solvent resistant.

Mk. 7 { \*Note: suffix digit to be inserted to indicate temperature range required.  
T4= /2=chloroprene rubber items. T6= /3=Fluorinated silicone rubber items.

Suffix for Mk. 4/203 Aluminium, /205 Brass,

### aluminium

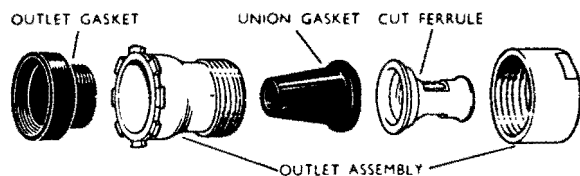
| Shell Size | Cable O/D   |             | Outlet Accessory Set with: |                  | For outlet dims. see code: |
|------------|-------------|-------------|----------------------------|------------------|----------------------------|
|            | Min.        | Max.        | Straight Outlet            | Rt. Angle Outlet |                            |
| 1          | .230        | .360        | 508/1/02719/*01            | 508/1/02730/*01  | a<br>b<br>b                |
|            | .295        | .430        | 508/1/02720/*01            | 508/1/02731/*01  |                            |
|            | .340 x .200 | .410 x .275 | 508/1/02721/*01            | 508/1/02732/*01  |                            |
| 2          | .230        | .360        | 508/1/02722/*01            | 508/1/02733/*01  | c<br>d<br>e<br>f<br>f      |
|            | .295        | .440        | 508/1/02723/*01            | 508/1/02734/*01  |                            |
|            | .325        | .480        | 508/1/02724/*01            | 508/1/02735/*01  |                            |
|            | .455        | .520        | 508/1/02725/*01            | 508/1/02736/*01  |                            |
|            | .480        | .570        | 508/1/02726/*01            | 508/1/02737/*01  |                            |
| 3          | .450        | .540        | 508/1/02727/*01            | 508/1/02738/*01  | g<br>g<br>h                |
|            | .510        | .560        | 508/1/02728/*01            | 508/1/02739/*01  |                            |
|            | .690        | .735        | 508/1/02729/*01            | 508/1/02740/*01  |                            |

### brass

|   |             |             |                 |                 |                       |
|---|-------------|-------------|-----------------|-----------------|-----------------------|
| 1 | .230        | .360        | 508/1/02986/*01 | 508/1/02997/*01 | a<br>b<br>b           |
|   | .295        | .430        | 508/1/02987/*01 | 508/1/02998/*01 |                       |
|   | .340 x .200 | .410 x .275 | 508/1/02988/*01 | 508/1/02999/*01 |                       |
| 2 | .230        | .360        | 508/1/02989/*01 | 508/1/03000/*01 | c<br>d<br>e<br>f<br>f |
|   | .295        | .440        | 508/1/02990/*01 | 508/1/03001/*01 |                       |
|   | .325        | .480        | 508/1/02991/*01 | 508/1/03002/*01 |                       |
|   | .455        | .520        | 508/1/02992/*01 | 508/1/03003/*01 |                       |
|   | .480        | .570        | 508/1/02993/*01 | 508/1/03004/*01 |                       |
| 3 | .450        | .540        | 508/1/02994/*01 | 508/1/03005/*01 | g<br>g<br>i           |
|   | .510        | .560        | 508/1/02995/*01 | 508/1/03006/*01 |                       |
|   | .690        | .735        | 508/1/02996/*01 | 508/1/03007/*01 |                       |

## DEF10 Type A and P Cable

Multicore cable totally unscreened (Vinsmall type)



Note: All rubber fittings are solvent resistant.

Mk. 7 { \*Note: suffix digit to be inserted to indicate temperature range required.  
T4= /2=chloroprene rubber items. T6= /3=Fluorinated silicone rubber items.

Suffix for Mk. 4/203 Aluminium, /205 Brass,

### aluminium

|   |             |             |                 |                 |                       |
|---|-------------|-------------|-----------------|-----------------|-----------------------|
| 1 | .230        | .330        | 508/1/02699/*01 | 508/1/02709/*01 | a<br>b<br>b           |
|   | .295        | .385        | 508/1/02700/*01 | 508/1/02710/*01 |                       |
|   | .340 x .200 | .380 x .240 | 508/1/02701/*01 | 508/1/02711/*01 |                       |
| 2 | .230        | .330        | 508/1/02702/*01 | 508/1/02712/*01 | c<br>d<br>e<br>f<br>f |
|   | .295        | .420        | 508/1/02703/*01 | 508/1/02713/*01 |                       |
|   | .345        | .460        | 508/1/02704/*01 | 508/1/02714/*01 |                       |
|   | .455        | .490        | 508/1/02705/*01 | 508/1/02715/*01 |                       |
|   | .480        | .510        | 508/1/02706/*01 | 508/1/02716/*01 |                       |
| 3 | .470        | .510        | 508/1/02707/*01 | 508/1/02717/*01 | g<br>h                |
|   | .690        | .710        | 508/1/02708/*01 | 508/1/02718/*01 |                       |

### brass

|   |             |             |                 |                 |                       |
|---|-------------|-------------|-----------------|-----------------|-----------------------|
| 1 | .230        | .330        | 508/1/03008/*01 | 508/1/03018/*01 | a<br>b<br>b           |
|   | .295        | .385        | 508/1/03009/*01 | 508/1/03019/*01 |                       |
|   | .340 x .200 | .280 x .240 | 508/1/03010/*01 | 508/1/03020/*01 |                       |
| 2 | .230        | .330        | 508/1/03011/*01 | 508/1/03021/*01 | c<br>d<br>e<br>f<br>f |
|   | .295        | .420        | 508/1/03012/*01 | 508/1/03022/*01 |                       |
|   | .345        | .460        | 508/1/03013/*01 | 508/1/03023/*01 |                       |
|   | .455        | .490        | 508/1/03014/*01 | 508/1/03024/*01 |                       |
|   | .480        | .510        | 508/1/03015/*01 | 508/1/03025/*01 |                       |
| 3 | .470        | .510        | 508/1/03016/*01 | 508/1/03026/*01 | g<br>i                |
|   | .690        | .710        | 508/1/03017/*01 | 508/1/03027/*01 |                       |

## Aluminium

| Shell Size | Contact Arrangement to be used | Outlet Accessory Set with: |                  | For outlet dims, see code: |
|------------|--------------------------------|----------------------------|------------------|----------------------------|
|            |                                | Straight Outlet            | Rt. Angle Outlet |                            |
| 1          | 2-19 amp. 250 V                | 508/1/03068/203            | 508/1/03072/203  | b                          |
| 2          | 2-35 amp. 250 V                | 508/1/02838/203            | 508/1/02841/203  | e                          |
|            | 3-19 amp. 2 kV                 | 508/1/03069/203            | 508/1/03073/203  | e                          |
|            | 4-19 amp. 250 V                | 508/1/03069/203            | 508/1/03073/203  | e                          |
|            | 6-5 amp. 500 V                 | 508/1/03070/203            | 508/1/03074/203  | e                          |
|            | 6-5 amp. 2 kV                  | 508/1/03070/203            | 508/1/03074/203  | e                          |
| 3          | 3-60 amp. 250 V                | 508/1/02839/203            | 508/1/02842/203  | i                          |
|            | 1-19 amp. 250 V                | 508/1/02840/203            | 508/1/02843/203  | i                          |
|            | 2-60 amp. 250 V                | 508/1/03071/203            | 508/1/03075/203  | i                          |
|            | 3-19 amp. 250 V                | 508/1/03071/203            | 508/1/03075/203  | i                          |
|            | 6-19 amp. 2.5 kV               | 508/1/03071/203            | 508/1/03075/203  | i                          |



## Brass

|   |                  |                 |                 |   |
|---|------------------|-----------------|-----------------|---|
| 1 | 2-19 amp. 250 V  | 508/1/03028/205 | 508/1/03035/205 | b |
| 2 | 2-35 amp. 250 V  | 508/1/03029/205 | 508/1/03036/205 | e |
|   | 3-19 amp. 2 kV   | 508/1/03030/205 | 508/1/03037/205 | e |
|   | 4-19 amp. 250 V  | 508/1/03030/205 | 508/1/03037/205 | e |
|   | 6-5 amp. 500 V   | 508/1/03031/205 | 508/1/03038/205 | e |
|   | 6-5 amp. 2 kV    | 508/1/03031/205 | 508/1/03038/205 | e |
| 3 | 3-60 amp. 250 V  | 508/1/03032/205 | 508/1/03039/205 | i |
|   | 1-19 amp. 250 V  | 508/1/03033/205 | 508/1/03040/205 | i |
|   | 2-60 amp. 250 V  | 508/1/03034/205 | 508/1/03041/205 | i |
|   | 3-19 amp. 2.5 kV | 508/1/03034/205 | 508/1/03041/205 | i |
|   | 6-19 amp. 250 V  | 508/1/03034/205 | 508/1/03041/205 | i |

## Aluminium and brass cable entry fittings Mks 4 and 7

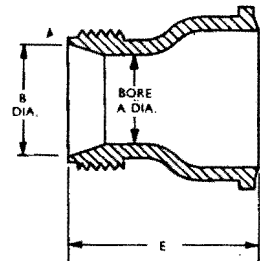
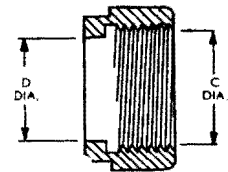
Individual fittings should only be ordered if no available outlet accessory set is available from those listed.

### Straight Outlets (all dimensions in inches unless otherwise stated)

Outlets can only be selected from the same group as the shell size of the plug or socket with which they are to be used.

### Dimensions

| Shell<br>Size | Recommended Min./Max. cable O/D using<br>suggested cable entry fittings for: |                        |                        |                        |                        |                        | Code<br>for<br>Ancil-<br>lary<br>Fittings | Dimensions      |           |           |           |       |       | Thread<br>BS.84 |        |
|---------------|------------------------------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------------------------|-----------------|-----------|-----------|-----------|-------|-------|-----------------|--------|
|               | Type Cable                                                                   |                        | Type Cable             |                        | Type Cable             |                        |                                           | Bóre:<br>A dia. | B<br>dia. | C<br>dia. | D<br>dia. | E     |       | Dia.            | T.P.I. |
|               | Uniradio<br>Metvin<br>Coremetvin<br>Corevin                                  |                        | Vinmet<br>Corevinmet   |                        | Vin                    |                        |                                           |                 |           |           |           | Alumn | Brass |                 |        |
|               | Min.                                                                         | Max.                   | Min.                   | Max.                   | Min.                   | Max.                   |                                           |                 |           |           |           |       |       |                 |        |
| 1             | .230                                                                         | .355                   | .230                   | .355                   | .230                   | .360                   | a                                         | .410            | .485      | .540      | .470      | .960  | .952  | .5937           | 26     |
|               | *.295<br>†.360 x<br>.220                                                     | .410<br>.410 x<br>.275 | .340<br>.330 x<br>.190 | .370<br>.410 x<br>.270 | .295<br>.340 x<br>.200 | .385<br>.410 x<br>.275 | b                                         | .462            | .540      | .585      | .520      | .968  | .952  | .6406           | 26     |
| 2             | .230                                                                         | .355                   | .230                   | .355                   | .230                   | .360                   | c                                         | .410            | .485      | .540      | .470      | .968  | .965  | .5937           | 26     |
|               | .295                                                                         | .440                   | .390                   | .440                   | .295                   | .420                   | d                                         | .468            | .578      | .635      | .565      | .968  | .965  | .6875           | 26     |
|               | .345                                                                         | .480                   | .345                   | .480                   | .345                   | .460                   | e                                         | .520            | .625      | .680      | .610      | .968  | .968  | .7344           | 26     |
|               | .470                                                                         | .575                   | .460                   | .575                   | .455                   | .510                   | f                                         | .600            | .735      | .790      | .695      | 1.963 | 1.966 | .8437           | 26     |
| 3             | .470                                                                         | .575                   | .460                   | .575                   | .470                   | .560                   | g                                         | .625            | .735      | .790      | .695      | 1.122 | 1.117 | .8437           | 26     |
|               | .690                                                                         | .745                   | .685                   | .740                   | .690                   | .710                   | h                                         | .800            | .910      | .995      | .875      | 2.152 | 2.146 | 1.0625          | 20     |
|               | .690                                                                         | .745                   | .685                   | .740                   | .690                   | .710                   | i                                         | .800            | .910      | .995      | .875      | 1.492 | 92.41 | 1.0625          | 20     |



\* Using circular section ancillaries.

† Using oval section ancillaries.

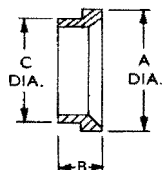
See next page for Part Nos.



**Cable entry ancillary fittings—Mk 4, Mk 7**

All ancillaries for a given outlet must be selected from the same code letter as the outlet.  
Individual fittings should only be ordered if no suitable outlet accessory set is available from those listed.

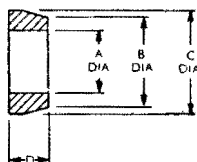
**Outlet gasket  
(rubber)**



| Code             | Part No.        | A dia. | B    | C dia. |
|------------------|-----------------|--------|------|--------|
| a<br>b           | 508/2/07705/*00 | ·666   | ·375 | ·515   |
| c<br>d<br>e<br>f | 508/2/07706/*00 | ·882   | ·375 | ·693   |
| g<br>hi          | 508/2/07707/*00 | 1·259  | ·375 | 1·073  |

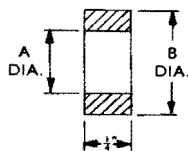
**Sealing ring  
(rubber)**

Note:  
Cable passing through the bore of the sealing ring should, if necessary, be packed with adequate sleeving in order to effect a watertight seal.



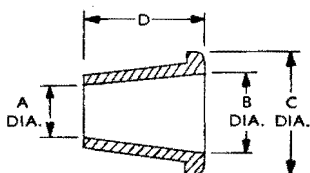
| Code | Part Number                                                                              | A dia.                 | B dia.               | C dia.               | D                    | E°                |
|------|------------------------------------------------------------------------------------------|------------------------|----------------------|----------------------|----------------------|-------------------|
| a    | 508/2/07708/*00                                                                          | ·200                   | ·320                 | ·485                 | ·156                 | 156 RAD           |
| b    | 508/2/07709/*00<br>508/2/07710/*00                                                       | ·362<br>·335 x<br>·195 | ·484<br>·445         | ·558<br>·520         | ·205<br>·205         | 15°<br>15°        |
| c    | 508/2/07708/*00                                                                          | ·200                   | ·320                 | ·485                 | ·156                 | 156 RAD           |
| d    | 508/2/07709/*00<br>508/2/07709/*00                                                       | ·362<br>·362           | ·484<br>·484         | ·558<br>·558         | ·205<br>·205         | 15°<br>15°        |
| e    | For cable O/D ·345—·465<br>508/2/07711/*00<br>For cable O/D ·455—·480                    | ·400<br>·400<br>·455   | ·491<br>·491         | ·533<br>·533         | ·280<br>·280         | 15°<br>15°        |
| f    | 508/2/07712/*00<br>For cable O/D ·460—·550<br>508/2/07713/*00<br>For cable O/D ·515—·575 | ·440<br>·440<br>·500   | ·640<br>·640<br>·640 | ·715<br>·715<br>·715 | ·205<br>·205<br>·205 | 15°<br>15°<br>15° |
| g    | 508/2/07712/*00<br>For cable O/D ·460—·550<br>508/2/07713/*00<br>For cable O/D ·515—·575 | ·440<br>·440<br>·500   | ·640<br>·640<br>·640 | ·715<br>·715<br>·715 | ·205<br>·205<br>·205 | 15°<br>15°<br>15° |
| hi   | 508/2/07714/*00                                                                          | ·665                   | ·805                 | ·890                 | ·205                 | 15°               |

**Cable sleeve  
(Silicone sponge rubber)**



| Code   | Part Number     | A dia. | B dia. |
|--------|-----------------|--------|--------|
| a<br>b | 508/2/07715/100 | ·156   | ·503   |
| c      | 508/2/07715/100 | ·156   | ·503   |
| d<br>e | 508/2/07716/100 | ·312   | ·562   |
| f      | 508/2/07717/100 | ·406   | ·687   |
| g      | 508/2/07717/100 | ·406   | ·687   |
| hi     | 508/2/07718/100 | ·562   | ·812   |

**Union gasket  
(rubber)**

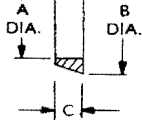


| Code | Part Number                                                                                                                                                    | A dia.                 | B dia.                 | C dia.       | D    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|--------------|------|
| a    | 508/2/07719/*00                                                                                                                                                | ·218                   | ·345                   | ·535         | 1/2" |
| b    | 508/2/07720/*00<br>508/2/07721/*00                                                                                                                             | ·275<br>·340 x<br>·200 | ·430<br>·400 x<br>·260 | ·625<br>·580 | 1/2" |
| c    | 508/2/07719/*00                                                                                                                                                | ·218                   | ·345                   | ·535         | 1/2" |
| d    | 508/2/07720/*00                                                                                                                                                | ·275                   | ·430                   | ·625         | 1/2" |
| e    | 508/2/07722/*00                                                                                                                                                | ·315                   | ·477                   | ·672         | 1/2" |
| f    | 508/2/07723/*00<br>For cable O/D ·470—·530 or ·455—·490 (Vin type cable only)<br>508/2/07724/*00<br>For cable O/D ·525—·575 or ·490—·510 (Vin type cable only) | ·440<br>·440<br>·500   | ·505<br>·505           | ·780<br>·780 | 1/2" |
| g    | 508/2/07723/*00<br>For cable O/D ·470—·530 or ·470—·540 (Vin type cable only)<br>508/2/07724/*00<br>For cable O/D ·525—·575 or ·525—·560 (Vin type cable only) | ·440<br>·440<br>·500   | ·505<br>·505           | ·780<br>·780 | 1/2" |
| hi   | 508/2/07725/*00                                                                                                                                                | ·670                   | ·735                   | ·984         | 1/2" |

Mk 4 Connectors in all cases use—/200, viz. 508/2/07705/200.

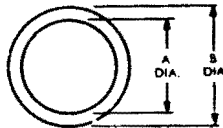
\* Note. For Mk 7 suffix digit to be inserted to indicate temperature range required.

T4=1/2=Chloroprene rubber items. T6=1/3=Fluorinated silicone rubber items.



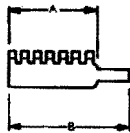
| Code | Part Number     | A dia. | B dia. | C    |
|------|-----------------|--------|--------|------|
| a    | 508/2/07746/009 | .353   | .465   | .138 |
| b    | 508/2/07747/009 | .408   | .520   | .138 |
| c    | 508/2/07746/009 | .353   | .465   | .138 |
| d    | 508/2/07748/009 | .438   | .549   | .138 |
| e    | 508/2/07749/009 | .478   | .589   | .138 |
| f    | 508/2/07750/009 | .573   | .706   | .179 |
| g    | 508/2/07750/009 | .573   | .706   | .179 |
| hi   | 508/2/07751/009 | .743   | 0.88   | .179 |

## Thrust Ring (Brass) Mk 4 and Mk 7 0.028" thick



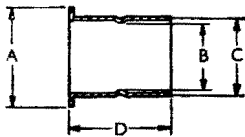
| Code | Part Number                                                       | A dia               | B dia        |
|------|-------------------------------------------------------------------|---------------------|--------------|
| a    | 508/2/07752/007                                                   | .442                | .538         |
| b    | 508/2/07753/007<br>508/2/07754/007                                | .498<br>.510 x .375 | .583<br>.583 |
| c    | 508/2/07752/007                                                   | .442                | .538         |
| d    | 508/2/07755/007<br>Has skirt .250 wide, cannot be used with clamp | .520                | .632         |
| e    | 508/2/07756/007                                                   | .517                | .632         |
| f    | 508/2/07757/007                                                   | .564                | .677         |
| g    | 508/2/07758/007                                                   | .668                | .787         |
| h    | 508/2/07758/007                                                   | .668                | .787         |
| hi   | 508/2/07759/007                                                   | .838                | .993         |

## Bonding Clip (Brass) Mk 4 and Mk 7



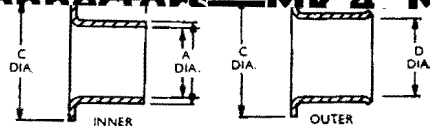
| Code | Part Number     | A     | B    | No. of Tags |
|------|-----------------|-------|------|-------------|
| f    | 508/2/07760/009 | 1.165 | 2.09 | 4           |
| h    | 508/2/07761/009 | 1.765 | 2.61 | 7           |

## Conduit Ferrules (Brass)



| Code | Part Number                                           | A dia.               | B dia.               | C dia.               | D                  | Conduit Size |
|------|-------------------------------------------------------|----------------------|----------------------|----------------------|--------------------|--------------|
| b    | 508/2/03242/009<br>508/2/03245/009                    | .580<br>.580         | .262<br>.380         | .362<br>.478         | .75<br>.75         | 1/4"         |
| de   | 508/2/03243/009<br>508/2/03247/009                    | .628<br>.633         | .262<br>.388         | .362<br>.488         | .75<br>.75         | 1/4"         |
| hi   | 508/2/03248/009<br>508/2/03246/009<br>508/2/03244/009 | .990<br>.990<br>.990 | .388<br>.531<br>.650 | .488<br>.625<br>.750 | .75<br>.75<br>1.00 | 1/2"         |

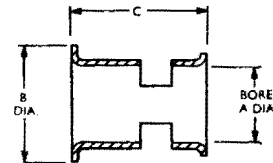
## Connectors Mk 4 Mk 7



| Code | Inner Ferrule Part Number                                                                   | Outer Ferrule Part Number                                                                   | A I/D                                       | A O/D                                       | B                                    | C dia.                               | D I/D                                       | E                                    |
|------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------------|--------------------------------------|
| a    | 508/2/07824/009<br>508/2/07825/009                                                          | 508/2/07842/009<br>508/2/07843/009                                                          | .250<br>.315                                | .290<br>.355                                | .360<br>.360                         | .537<br>.537                         | .314<br>.379                                | .420<br>.420                         |
| b    | 508/2/07826/009<br>508/2/07827/009<br>508/2/07828/009<br>508/2/07829/009<br>508/2/07830/009 | 508/2/07844/009<br>508/2/07845/009<br>508/2/07846/009<br>508/2/07847/009<br>508/2/07848/009 | .150<br>.190<br>.290<br>.330<br>.284 x .184 | .206<br>.246<br>.346<br>.386<br>.240 x .230 | .370<br>.370<br>.400<br>.400<br>.360 | .560<br>.560<br>.560<br>.560<br>.582 | .230<br>.270<br>.370<br>.410<br>.434 x .294 | .420<br>.420<br>.450<br>.450<br>.430 |
| c    | 508/2/07824/009<br>508/2/07825/009                                                          | 508/2/07842/009<br>508/2/07843/009                                                          | .250<br>.315                                | .290<br>.355                                | .360<br>.360                         | .537<br>.537                         | .314<br>.378                                | .420<br>.420                         |
| d    | 508/2/07832/009<br>508/2/07833/009                                                          | 508/2/07850/009<br>508/2/07851/009                                                          | .347<br>.400                                | .375<br>.440                                | .250<br>.360                         | .628<br>.632                         | .406<br>.464                                | .250<br>.420                         |
| e    | 508/2/07834/009<br>508/2/07835/009                                                          | 508/2/07852/009<br>508/2/07853/009                                                          | .360<br>.440                                | .416<br>.480                                | .400<br>.360                         | .680<br>.678                         | .440<br>.504                                | .450<br>.420                         |
| f    | 508/2/07836/009<br>508/2/07837/009                                                          | 508/2/07854/009<br>508/2/07855/009                                                          | .475<br>.535                                | .515<br>.575                                | .360<br>.360                         | .782<br>.782                         | .539<br>.599                                | .420<br>.420                         |
| g    | 508/2/07836/009<br>508/2/07837/009                                                          | 508/2/07854/009<br>508/2/07855/009                                                          | .475<br>.535                                | .515<br>.575                                | .360<br>.360                         | .782<br>.782                         | .539<br>.599                                | .420<br>.420                         |
| h    | 508/2/07838/009<br>508/2/07839/009<br>508/2/07840/009<br>508/2/07841/009                    | 508/2/07856/009<br>508/2/07857/009<br>508/2/07858/009<br>508/2/07859/009                    | .581<br>.610<br>.690<br>.700                | .625<br>.666<br>.746<br>.740                | .360<br>.500<br>.500<br>.360         | .990<br>.980<br>.980<br>.984         | .656<br>.690<br>.770<br>.764                | .360<br>.550<br>.550<br>.420         |

\*When using ferrules marked thus, it will be necessary to pack the cable passing through the sealing ring with adequate sleeving in order to effect a watertight seal.

## Cut Ferrules (Brass) Mk 4 and Mk 7

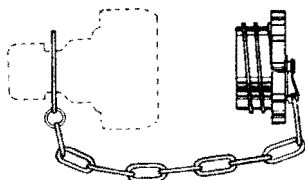


| Code | Part Number                                                                                                                                                             | Bore A dia.                                                                               | B dia.                                                               | C                                                                    |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|
| a    | 508/2/07860/009<br>508/2/07861/009                                                                                                                                      | .150<br>.328                                                                              | .538<br>.538                                                         | .370<br>.550                                                         |
| b    | 508/2/07862/009<br>508/2/07863/009<br>508/2/07864/009<br>508/2/07865/009<br>508/2/07866/009<br>508/2/07867/009<br>508/2/07868/009<br>508/2/07869/009<br>508/2/07870/009 | .187<br>.218<br>.281<br>.328<br>.375<br>.406<br>.230 x .190<br>.310 x .210<br>.380 x .240 | .560<br>.560<br>.560<br>.560<br>.560<br>.560<br>.560<br>.560<br>.560 | .550<br>.550<br>.550<br>.550<br>.550<br>.550<br>.550<br>.550<br>.550 |
| c    | 508/2/07860/009<br>508/2/07861/009                                                                                                                                      | .150<br>.328                                                                              | .538<br>.538                                                         | .370<br>.550                                                         |
| d    | 508/2/07871/009<br>508/2/07872/009<br>508/2/07873/009<br>508/2/07874/009                                                                                                | .275<br>.355<br>.405<br>.442                                                              | .625<br>.628<br>.628<br>.628                                         | .625<br>.687<br>.625<br>.687                                         |
| e    | 508/2/07875/009                                                                                                                                                         | .505                                                                                      | .680                                                                 | .687                                                                 |
| f    | 508/2/07876/009<br>508/2/07877/009                                                                                                                                      | .355<br>.505                                                                              | .760<br>.780                                                         | .750<br>.687                                                         |
| g    | 508/2/07876/009<br>508/2/07877/009                                                                                                                                      | .355<br>.505                                                                              | .760<br>.780                                                         | .750<br>.687                                                         |
| h    | 508/2/07878/009<br>508/2/07879/009<br>508/2/07880/009<br>508/2/07881/009<br>508/2/07882/009<br>508/2/07883/009                                                          | .355<br>.405<br>.505<br>.605<br>.723<br>.755                                              | .990<br>.990<br>.990<br>.990<br>.990<br>.990                         | 1.00<br>1.188<br>1.188<br>.687<br>.687<br>.687                       |



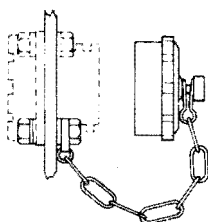
## Protective caps—Brass range

For free plugs or sockets



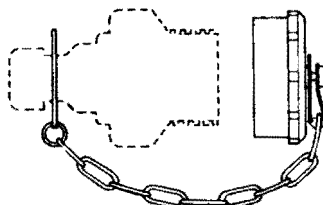
| Polythene cap only | Code | Protective cap assembly complete |                 |
|--------------------|------|----------------------------------|-----------------|
|                    |      | Part Number †                    |                 |
| Part Number        |      | Polythene                        | Brass           |
| 508/2/41172        | ab   | 508/1/41150/001                  | 508/1/04111/001 |
| 508/2/41173        | cd   | 508/1/41153/001                  | 508/1/04112/001 |
|                    | ef   | 508/1/41151/001                  | 508/1/04113/001 |
| 508/2/41174        | g    | 508/1/41154/001                  | 508/1/04114/001 |
|                    | hi   | 508/1/41152/001                  | 508/1/04115/001 |

For fixed coupler plugs or sockets and bulkheads



| Polythene cap only | Shell size | Protective cap assembly complete |                 |
|--------------------|------------|----------------------------------|-----------------|
|                    |            | Part Number †                    |                 |
| Part Number        |            | Polythene                        | Brass           |
| 508/2/41181        | 1          | 508/1/41160/001                  | 508/1/04116/001 |
| 508/2/41182        | 2          | 508/1/41161/001                  | 508/1/04117/001 |
| 508/2/41183        | 3          | 508/1/41162/001                  | 508/1/04118/001 |

For free coupler plugs or sockets



| Polythene cap only | Code | Protective cap assembly complete |                 |
|--------------------|------|----------------------------------|-----------------|
|                    |      | Part Number †                    |                 |
| Part Number        |      | Polythene                        | Brass           |
| 508/2/41181        | ab   | 508/1/04119/001                  | 508/1/04124/001 |
| 508/2/41182        | cd   | 508/1/04120/001                  | 508/1/04125/001 |
|                    | ef   | 508/1/04121/001                  | 508/1/04126/001 |
| 508/2/41183        | g    | 508/1/04122/001                  | 508/1/04127/001 |
|                    | hi   | 508/1/04123/001                  | 508/1/04128/001 |

† /001—Mk 7 only. /003—Mk 4 Aluminium. /005—Mk 4 Brass.

Note: A heavy link chain is used with Brass caps. On all other types, a lightweight ball chain is used.

the outlet assembly is not required.

### Aluminium

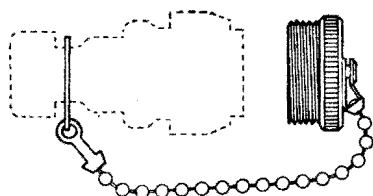
| Code | Part Number †   | Wt. oz. | A dia. max. | A dia. min. | B dia. | C      | *Cable Entry Assembly |                   |
|------|-----------------|---------|-------------|-------------|--------|--------|-----------------------|-------------------|
|      |                 |         |             |             |        |        | Straight †            | Right Angle †     |
| a    | 508/1/07776/001 | -42     | -453        | -173        | -540   | -937   | 508/1/07762/001       | 508/1/07769/001   |
| b    | 508/1/07777/001 | -39     | -515        | -203        | -585   | -937   | 508/1/07763/001       | 508/1/07770/001   |
| c    | 508/1/07776/001 | -42     | -453        | -173        | -540   | -937   | —                     | —                 |
| d    | 508/1/07778/001 | -39     | -515        | -203        | -635   | -937   | 508/1/07764/001       | 508/1/07771/001   |
| e    | 508/1/07779/001 | -42     | -555        | -243        | -680   | -937   | 508/1/07765/001       | 508/1/07772/001   |
| f    | 508/1/07780/001 | -56     | -670        | -358        | -790   | -1-000 | 508/1/07766/001       | 508/1/07773/001   |
| g    | 508/1/07780/001 | -56     | -670        | -358        | -790   | -1-000 | 508/1/07767/001       | 508/1/07774/001   |
| h    | 508/1/07781/001 | -74     | -845        | -471        | -995   | -1-062 | 508/1/07768/001*1     | 508/1/07775/001*1 |
| i    | 508/1/07781/001 | -74     | -845        | -471        | -995   | -1-062 | 508/1/07768/001*1     | 508/1/07775/001*1 |

\* A Cable Entry Assembly comprises a cable clamp complete with outlet (without union nut).

† /001—Mk 7 only. /003—Mk 4 Aluminium. /005—Mk 4 Brass.

### Protective Caps—Aluminium range

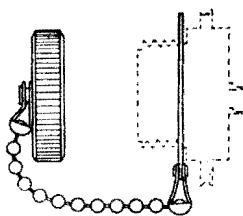
For free plugs or sockets.



Protective cap assembly complete

| Code | Part Number †   |
|------|-----------------|
| ab   | 508/1/03437/001 |
| cd   | 508/1/03438/001 |
| ef   | 508/1/03439/001 |
| g    | 508/1/03440/001 |
| hi   | 508/1/03441/001 |

For fixed plugs or sockets, fixed coupler plugs or sockets and bulk-heads.



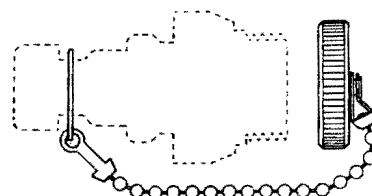
| Shell size | Protective cap assembly complete |
|------------|----------------------------------|
|            | Part Number †                    |
| 1          | 508/1/03442/001                  |
| 2          | 508/1/03443/001                  |
| 3          | 508/1/03444/001                  |



### Brass

| Code | Part Number †   | Wt. oz. | A dia. max. | A dia. min. | B dia. | C      |
|------|-----------------|---------|-------------|-------------|--------|--------|
|      |                 |         |             |             |        |        |
| a    | 508/1/07782/001 | -70     | -453        | -173        | -540   | -937   |
| b    | 508/1/07783/001 | -1-1    | -515        | -203        | -585   | -937   |
| c    | 508/1/07782/001 | -70     | -453        | -173        | -540   | -937   |
| d    | 508/1/07784/001 | -1-1    | -515        | -203        | -635   | -937   |
| e    | 508/1/07785/001 | -1-2    | -555        | -243        | -680   | -937   |
| f    | 508/1/07786/001 | -1-7    | -670        | -358        | -790   | -1-000 |
| g    | 508/1/07786/001 | -1-7    | -670        | -358        | -790   | -1-000 |
| h    | 508/1/07787/001 | -2-0    | -845        | -471        | -995   | -1-062 |
| i    | 508/1/07787/001 | -2-0    | -845        | -471        | -995   | -1-062 |

For free coupler plugs or sockets.



Protective cap assembly complete

| Code | Part Number †   |
|------|-----------------|
| ab   | 508/1/03452/001 |
| cd   | 508/1/03453/001 |
| ef   | 508/1/03454/001 |
| g    | 508/1/03455/001 |
| hi   | 508/1/03456/001 |

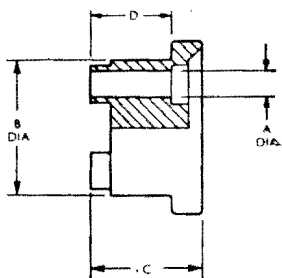
† /001—Mk 7 only. /003—Mk 4 Aluminium.



**PLESSEY**  
INTERCONNECT

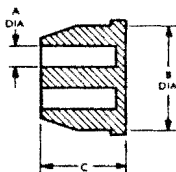
# Connectors—Mk 4, Mk 7

## Retaining Gland (Rubber) (Mk 4 only)



| Code | Part No.<br>508/2/ | Use with contact<br>arrangement: | No. and<br>dia. A<br>of holes | B<br>dia. | C    | D    |
|------|--------------------|----------------------------------|-------------------------------|-----------|------|------|
| ab   | 07726/200          | 2-19 amp. 250 V                  | 2 x .125                      | .525      | .503 | .353 |
|      | 07727/200          | 3-5 amp. 250 V                   | 3 x .080                      | .525      | .503 | .353 |
|      | 07728/200          | 4-5 amp. 250 V                   | 4 x .080                      | .525      | .503 | .353 |
|      | 07729/200          | 6-5 amp. 250 V                   | 6 x .080                      | .525      | .503 | .353 |
| cd   | 07730/200          | 3-19 amp. 2 kV                   | 3 x .125                      | .693      | .503 | .353 |
|      | 07731/200          | 4-19 amp. 250 V                  | 4 x .125                      | .693      | .503 | .353 |
| ef   | 07732/200          | 6-5 amp. 500 V                   | 6 x .080                      | .740      | .553 | .403 |
|      | 07733/200          | 6-5 amp. 2 kV                    | 6 x .080                      | .740      | .553 | .403 |
|      | 07734/200          | 12-5 amp. 250 V                  | 13 x .080                     | .693      | .503 | .353 |
| ghi  | 07735/200          | 9-19 amp. 250 V                  | 9 x .125                      | 1.073     | .503 | .378 |
|      | 07736/200          | 25-5 amp. 250 V                  | 25 x .080                     | 1.073     | .503 | .353 |
|      | 07737/200          | 18-5 amp. Spec.                  | 18 x .080                     | 1.130     | .573 | .423 |
|      | 07738/200          | 13-12 amp. 250 V                 | 13 x .120                     | 1.130     | .573 | .423 |

## Gland Plug (Rubber) Mk 4 only



| Code | Part No.<br>508/2/ | Use with contact<br>arrangement: | No. and<br>dia. A<br>of holes | B<br>dia. | C    |
|------|--------------------|----------------------------------|-------------------------------|-----------|------|
| b    | 07739/200          | 2-19 amp. 250 V                  | 2 x .130                      | .510      | .394 |
|      | 07740/200          | 2-35 amp. 250 V                  | 2 x .165                      | .595      | .424 |
| e    | 07741/200*         | 3-19 amp. 2 kV                   | 4 x .130                      | .595      | .424 |
|      | 07742/200*         | 4-19 amp. 250 V                  | 12 x .090                     | .595      | .424 |
|      |                    | 6-5 amp. 500 V                   |                               |           |      |
|      |                    | 6-5 amp. 2 kV                    |                               |           |      |
| hi   | 07743/200*         | 12-5 amp. 250 V                  | 9 x .130                      | .875      | .424 |
|      | 07744/200          | 6-19 amp. 2.5 kV                 |                               |           |      |
|      |                    | 9-19 amp. 250 V                  |                               |           |      |
|      | 07746/200          | 3-60 amp. 250 V                  | 3 x .255                      | .875      | .424 |
|      |                    | 1-19 amp. 250 V                  | 1 x .130                      |           |      |
|      |                    | 2-60 amp. 250 V                  | 2 x .255                      | .875      | .424 |
|      |                    | 3-19 amp. 250 V                  | 3 x .130                      |           |      |

Note \* /300 denotes 5 amp. hole to accept cables .035" diameter to .075" diameter

and /301 denotes 5 amp hole to accept cables .076" diameter to .105" diameter

12 amp. holes accept cable .086" diameter to .155" diameter.

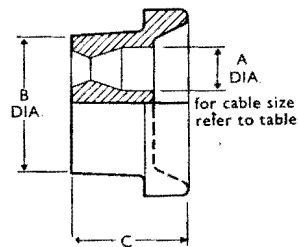
19 amp. holes accept cable .086" diameter to .155" diameter.

35 amp. holes accept cable .136" diameter to .220" diameter

60 amp. holes accept cable .216" diameter to .317" diameter.

## Retaining Gland (Rubber) Mk 7 only

Green fluorinated silicone rubber-solvent resistant.

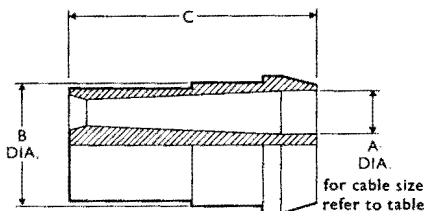


| Code | Part Number     | Use with contact arrangement | A              | B     | C   |
|------|-----------------|------------------------------|----------------|-------|-----|
| a    | 508/2/12013/300 | 2-19 amp. 250 V              | see note below | .525  | .41 |
|      | 508/2/12014/30* | 3-5 amp. 250 V               |                | .525  | .41 |
|      | 508/2/12015/30* | 4-5 amp. 250 V               |                | .525  | .41 |
|      | 508/2/12016/30* | 6-5 amp. 250 V               |                | .525  | .41 |
| c f  | 508/2/12017/300 | 2-35 amp. 250 V              | see note below | .705  | .41 |
|      | 508/2/12018/300 | 3-19 amp. 2 kV               |                | .705  | .41 |
|      | 508/2/12019/300 | 4-19 amp. 250 V              |                | .705  | .41 |
|      | 508/2/12020/30* | 6-5 amp. 500 V               |                | .705  | .41 |
|      | 508/2/12021/30* | 6-5 amp. 2 kV                |                | .705  | .41 |
|      | 508/2/12022/30* | 12-5 amp. 250 V              |                | .705  | .41 |
| h    | 508/2/12023/300 | 3-60 amp. 1-19 amp. 250 V    | see note below | 1.073 | .41 |
|      | 508/2/12024/300 | 2-60 amp. 3-19 amp. 250 V    |                | 1.073 | .41 |
|      | 508/2/12025/300 | 6-19 amp. 2 1/2 kV           |                | 1.073 | .41 |
|      | 508/2/12026/300 | 9-19 amp. 250 V              |                | 1.073 | .41 |
|      | 508/2/12027/300 | 13-12 amp. 250 V             |                | 1.073 | .41 |
|      | 508/2/12028/30* | 18-5 amp. Spec.              |                | 1.073 | .41 |
|      | 508/2/12029/30* | 25-5 amp. 250 V              |                | 1.073 | .41 |

## Gland Plug (Rubber)

Green fluorinated silicone rubber-solvent resistant.

Mk 7 only



| Code | Part Number     | Use with contact arrangement | A              | B    | C    |
|------|-----------------|------------------------------|----------------|------|------|
| a    | 508/2/12030/300 | 2-19 amp. 250 V              | see note below | .425 | .88  |
|      | 508/2/12031/30* | 3-5 amp. 250 V               |                | .425 | .88  |
|      | 508/2/12032/30* | 4-5 amp. 250 V               |                | .425 | .88  |
|      | 508/2/12033/30* | 6-5 amp. 250 V               |                | .425 | .88  |
| c f  | 508/2/12034/300 | 2-35 amp. 250 V              | see note below | .425 | .88  |
|      | 508/2/12035/300 | 3-19 amp. 2kV                |                | .425 | .88  |
|      | 508/2/12036/300 | 4-19 amp. 250 V              |                | .425 | .88  |
|      | 508/2/12033/30* | 6-5 amp. 500 V               |                | .425 | .88  |
|      | 508/2/12033/30* | 6-5 amp. 2kV                 |                | .425 | .88  |
|      | 508/2/12037/30* | 12-5 amp. 250 V              |                | .650 | 1.04 |
| h    | 508/2/12038/300 | 3-60 amp. 1-19 amp. 250 V    | see note below | .825 | 1.00 |
|      | 508/2/12039/300 | 2-60 amp. 3-19 amp. 250 V    |                | .825 | 1.00 |
|      | 508/2/12040/300 | 6-19 amp. 2 1/2 kV           |                | .825 | 1.00 |
|      | 508/2/12041/300 | 9-19 amp. 250 V              |                | .825 | 1.00 |
|      | 508/2/12042/300 | 13-12 amp. 250 V             |                | .825 | 1.00 |
|      | 508/2/12043/30* | 18-5 amp. Spec.              |                | .825 | 1.00 |
|      | 508/2/12044/30* | 25-5 amp. 250 V              |                | .825 | 1.00 |

## Part numbers—Straight outlet cable entry fittings

### Aluminium

| Shell Size | Code for Ancillary Fittings | Outlet Assembly |         | Outlet assembly comprises: |                 |
|------------|-----------------------------|-----------------|---------|----------------------------|-----------------|
|            |                             | Part No.        | Wt. oz. | Outlet                     | Union Nut       |
| 1          | a                           | 508/1/07621/001 | -25     | 508/2/07639/001            | 508/2/07657/001 |
|            | b                           | 508/1/07622/001 | -28     | 508/2/07640/001            | 508/2/07658/001 |
|            | c                           | 508/1/07623/001 | -32     | 508/2/07641/001            | 508/2/07657/001 |
| 2          | d                           | 508/1/07624/001 | -32     | 508/2/07642/001            | 508/2/07659/001 |
|            | e                           | 508/1/07625/001 | -39     | 508/2/07643/001            | 508/2/07660/001 |
|            | f                           | 508/1/07626/001 | -71     | 508/2/07644/001            | 508/2/07661/001 |
| 3          | g                           | 508/1/07627/001 | -46     | 508/2/07645/001            | 508/2/07661/001 |
|            | h                           | 508/1/07628/001 | 1-10    | 508/2/07646/001            | 508/2/07662/001 |
|            | i                           | 508/1/07629/001 | -84     | 508/2/07647/001            | 508/2/07662/001 |

### Brass

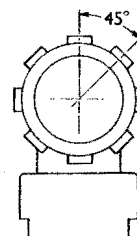
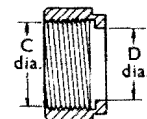
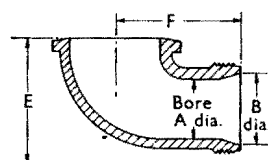
| Outlet Assembly |         | Outlet assembly comprises: |                 |
|-----------------|---------|----------------------------|-----------------|
| Part No.        | Wt. oz. | Outlet                     | Union Nut       |
| 508/1/07663/001 | -71     | 508/2/07681/001            | 508/2/07699/001 |
| 508/1/07664/001 | -78     | 508/2/07682/001            | 508/2/07700/001 |
| 508/1/07665/001 | -95     | 508/2/07683/001            | 508/2/07699/001 |
| 508/1/07666/001 | -99     | 508/2/07684/001            | 508/2/07701/001 |
| 508/1/07667/001 | 1-10    | 508/2/07685/001            | 508/2/07702/001 |
| 508/1/07668/001 | 1-90    | 508/2/07686/001            | 508/2/07703/001 |
| 508/1/07669/001 | 1-40    | 508/2/07687/001            | 508/2/07703/001 |
| 508/1/07670/001 | 3-00    | 508/2/07688/001            | 508/2/07704/001 |
| 508/1/07671/001 | 2-40    | 508/2/07689/001            | 508/2/07704/001 |

Outlet nuts must be ordered as additional items when using outlets on fixed and fixed coupler plugs and sockets.

### Right Angle Outlets

Outlets can only be selected from the same group as the shell size of the plug or socket with which they are to be used.

| Shell Size | Recommended Min./Max. cable O/D using suggested cable entry fittings for: |                |                   |                |                |                | Code for Ancillary Fittings | Dimensions   |        |        |        |       |       | Thread BS.84 |        |
|------------|---------------------------------------------------------------------------|----------------|-------------------|----------------|----------------|----------------|-----------------------------|--------------|--------|--------|--------|-------|-------|--------------|--------|
|            | Type Cable                                                                |                | Type Cable        |                | Type Cable     |                |                             | Bore: A dia. | B dia. | C dia. | D dia. | E     | F     | Dia.         | T.P.I. |
|            | Uniradio Metvin Coremetvin Corevin                                        |                | Vinmet Corevinmet |                | Vin            |                |                             |              |        |        |        |       |       |              |        |
|            | Min.                                                                      | Max.           | Min.              | Max.           | Min.           | Max.           |                             |              |        |        |        |       |       |              |        |
| 1          | -230                                                                      | -355           | -230              | -355           | -230           | -360           | a                           | -410         | -493   | -540   | -470   | -790  | -840  | -5937        | 26     |
|            | *-295<br>†-360 x<br>-220                                                  | -410 x<br>-275 | -340 x<br>-190    | -370 x<br>-270 | -295 x<br>-200 | -385 x<br>-275 | b                           | -455         | -548   | -585   | -520   | 1-065 | -840  | -6406        | 26     |
| 2          | -230                                                                      | -355           | -230              | -355           | -230           | -360           | c                           | -410         | -485   | -540   | -470   | -850  | -940  | -5937        | 26     |
|            | -295                                                                      | -440           | -390              | -440           | -295           | -420           | d                           | -468         | -578   | -635   | -565   | -930  | -940  | -6875        | 26     |
|            | -345                                                                      | -480           | -345              | -480           | -345           | -460           | e                           | -515         | -625   | -680   | -610   | -980  | -940  | -7344        | 26     |
|            | -470                                                                      | -575           | -460              | -575           | -455           | -510           | f                           | -600         | -735   | -790   | -695   | 1-485 | 1-250 | -8437        | 26     |
| 3          | -470                                                                      | -575           | -460              | -574           | -470           | -560           | g                           | -620         | -735   | -790   | -695   | 1-060 | 1-070 | -8437        | 26     |
|            | -690                                                                      | -745           | -685              | -740           | -690           | -710           | h                           | -800         | -910   | -995   | -875   | 1-960 | 1-870 | 1-0625       | 20     |
|            | -690                                                                      | -745           | -685              | -740           | -690           | -710           | i                           | -800         | -910   | -995   | -875   | 1-270 | 1-160 | 1-0625       | 20     |



### Part numbers

#### Aluminium

| Shell Size | Code for Ancillary Fittings | Outlet Assembly |         | Outlet assembly comprises: |                 |
|------------|-----------------------------|-----------------|---------|----------------------------|-----------------|
|            |                             | Part No.        | Wt. oz. | Outlet                     | Union Nut       |
| 1          | a                           | 508/1/07630/001 | -25     | 508/2/07648/001            | 508/2/07657/001 |
|            | b                           | 508/1/07631/001 | -32     | 508/2/07649/001            | 508/2/07658/001 |
| 2          | c                           | 508/1/07632/001 | -35     | 508/2/07650/001            | 508/2/07657/001 |
|            | d                           | 508/1/07633/001 | -39     | 508/2/07651/001            | 508/2/07659/001 |
|            | e                           | 508/1/07634/001 | -46     | 508/2/07652/001            | 508/2/07660/001 |
|            | f                           | 508/1/07635/001 | -53     | 508/2/07653/001            | 508/2/07661/001 |
| 3          | g                           | 508/1/07636/001 | -56     | 508/2/07654/001            | 508/2/07661/001 |
|            | h                           | 508/1/07637/001 | 1-10    | 508/2/07655/001            | 508/2/07662/001 |
|            | i                           | 508/1/07638/001 | -88     | 508/2/07656/001            | 508/2/07662/001 |

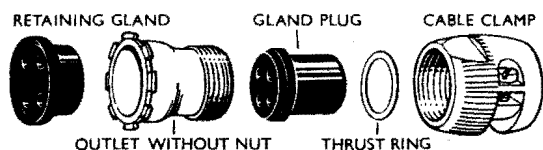
#### Brass

| Outlet Assembly |         | Outlet assembly comprises: |                 |
|-----------------|---------|----------------------------|-----------------|
| Part No.        | Wt. oz. | Outlet                     | Union Nut       |
| 508/1/07672/001 | -78     | 508/2/07690/001            | 508/2/07699/001 |
| 508/1/07673/001 | -92     | 508/2/07691/001            | 508/2/07700/001 |
| 508/1/07674/001 | -99     | 508/2/07692/001            | 508/2/07699/001 |
| 508/1/07675/001 | 1-10    | 508/2/07693/001            | 508/2/07701/001 |
| 508/1/07676/001 | 1-30    | 508/2/07694/001            | 508/2/07702/001 |
| 508/1/07677/001 | 1-70    | 508/2/07695/001            | 508/2/07703/001 |
| 508/1/07678/001 | 1-70    | 508/2/07696/001            | 508/2/07703/001 |
| 508/1/07679/001 | 3-10    | 508/2/07697/001            | 508/2/07704/001 |
| 508/1/07680/001 | 2-40    | 508/2/07698/001            | 508/2/07704/001 |

Mk 7 \*Suffix /001 for Mk 7 drab olive + passivation.  
 Mk 4 /003 for Mk 4 Aluminium—clean finish.  
 Mk 4 /005 for Mk 4 Brass—cadmium plate + passivation.



## Single Core Cable



Note: All rubber fittings are solvent resistant.

Mk. 7 { \*Note: suffix digit to be inserted to indicate temperature range required.  
T4=1/2=chloroprene rubber items. T6=3=Fluorinated silicone rubber items.

Suffix for Mk. 4/203 Aluminium, /205 Brass.

### aluminium

| Shell Size | Contact Arrangement to be used | Outlet Accessory Set with |                  | For outlet dims. see code: |
|------------|--------------------------------|---------------------------|------------------|----------------------------|
|            |                                | Straight Outlet           | Rt. Anlge Outlet |                            |
| <b>1</b>   | 2-19 amp. 250 V                | 508/1/12063/*00           | 508/1/12080/*00  | a                          |
|            | 3-5 amp. 250 V                 | 508/1/12064/*01           | 508/1/12081/*01  | a                          |
|            | 4-5 amp. 250 V                 | 508/1/12065/*01           | 508/1/12082/*01  | a                          |
|            | 6-5 amp. 250 V                 | 508/1/12066/*01           | 508/1/12083/*01  | a                          |
| <b>2</b>   | 2-35 amp. 250 V                | 508/1/12067/*00           | 508/1/12084/*00  | c                          |
|            | 3-19 amp. 2kV                  | 508/1/12068/*00           | 508/1/12085/*00  | c                          |
|            | 4-19 amp. 250 V                | 508/1/12069/*00           | 508/1/12086/*00  | c                          |
|            | 6-5 amp. 500 V                 | 508/1/12070/*01           | 508/1/12087/*01  | c                          |
|            | 6-5 amp. 2 kV                  | 508/1/12071/*01           | 508/1/12088/*01  | c                          |
|            | 12-5 amp. 250 V                | 508/1/12072/*01           | 508/1/12089/*01  | f                          |
| <b>3</b>   | 3-60 amp. 1-19 amp. 250 V      | 508/1/12073/*00           | 508/1/12090/*00  | h                          |
|            | 2-60 amp. 3-19 amp. 250 V      | 508/1/12074/*00           | 508/1/12091/*00  | h                          |
|            | 6-19 amp. 2 1/2 kV             | 508/1/12075/*00           | 508/1/12092/*00  | h                          |
|            | 9-19 amp. 250 V                | 508/1/12076/*00           | 508/1/12093/*00  | h                          |
|            | 13-12 amp. 250 V               | 508/1/12077/*00           | 508/1/12094/*00  | h                          |
|            | 18-5 amp. spec.                | 508/1/12078/*01           | 508/1/12095/*01  | h                          |
|            | 25-5 amp. 250 V                | 508/1/12079/*01           | 508/1/12096/*01  | h                          |

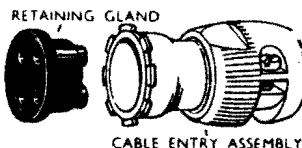
### brass

|          |                           |                 |                 |   |
|----------|---------------------------|-----------------|-----------------|---|
| <b>1</b> | 2-19 amp. 250 V           | 508/1/13756/*00 | 508/1/13773/*00 | a |
|          | 3-5 amp. 250 V            | 508/1/13757/*01 | 508/1/13774/*01 | a |
|          | 4-5 amp. 250 V            | 508/1/13758/*01 | 508/1/13775/*01 | a |
|          | 6-5 amp. 250 V            | 508/1/13759/*01 | 508/1/13776/*01 | a |
| <b>2</b> | 2-35 amp. 250 V           | 508/1/13760/*00 | 508/1/13777/*00 | c |
|          | 3-19 amp. 2kV             | 508/1/13761/*00 | 508/1/13778/*00 | c |
|          | 4-19 amp. 250 V           | 508/1/13762/*00 | 508/1/13779/*00 | c |
|          | 6-5 amp. 500 V            | 508/1/13763/*01 | 508/1/13780/*01 | c |
|          | 6-5 amp. 2 kV             | 508/1/13764/*01 | 508/1/13781/*01 | c |
|          | 12-5 amp. 250 V           | 508/1/13765/*01 | 508/1/13782/*01 | f |
| <b>3</b> | 3-60 amp. 1-19 amp. 250 V | 508/1/13766/*00 | 508/1/13783/*00 | h |
|          | 2-60 amp. 3-19 amp. 250 V | 508/1/13767/*00 | 508/1/13784/*00 | h |
|          | 6-19 amp. 2 1/2 kV        | 508/1/13768/*00 | 508/1/13785/*00 | h |
|          | 9-19 amp. 250 V           | 508/1/13769/*00 | 508/1/13786/*00 | h |
|          | 13-12 amp. 250 V          | 508/1/13770/*00 | 508/1/13787/*00 | h |
|          | 18-5 amp. spec.           | 508/1/13771/*01 | 508/1/13788/*01 | h |
|          | 25-5 amp. 250 V           | 508/1/13772/*01 | 508/1/13789/*01 | h |

+300 denotes 5 amp. hole to accept cables .035" diam. to .075" diam.  
and /301 denotes 5 amp. hole to accept cables .076" diam. to .105" diam.  
12 amp. holes accept cable .086" diam. to .155" diam.  
19 amp. holes accept cable .086" diam. to .155" diam.  
35 amp. holes accept cable .136" diam. to .220" diam.  
60 amp. holes accept cable .216" diam. to .317" diam.

(Mk. 7 only)

## Single core cable (Unipren type) Using a retaining gland



### Aluminium

|          |                 |                 |                 |   |
|----------|-----------------|-----------------|-----------------|---|
| <b>1</b> | 2-19 amp. 250 V | 508/1/02812/203 | 508/1/02825/203 | a |
|          | 3-5 amp. 250 V  | 508/1/02813/203 | 508/1/02826/203 | a |
|          | 4-5 amp. 250 V  | 508/1/02814/203 | 508/1/02827/203 | a |
|          | 6-5 amp. 250 V  | 508/1/02815/203 | 508/1/02828/203 | a |
| <b>2</b> | 3-19 amp. 2 kV  | 508/1/02816/203 | 508/1/02829/203 | d |
|          | 4-19 amp. 250 V | 508/1/02817/203 | 508/1/02830/203 | d |
|          | 6-5 amp. 500 V  | 508/1/02818/203 | 508/1/02831/203 | d |
|          | 6-5 amp. 2 kV   | 508/1/02819/203 | 508/1/02832/203 | d |
|          | 12-5 amp. 250 V | 508/1/02820/203 | 508/1/02833/203 | e |
| <b>3</b> | 9-19 amp. 250 V | 508/1/02822/203 | 508/1/02835/203 | g |
|          | 18-5 amp. Spec. | 508/1/02823/203 | 508/1/02836/203 | g |
|          | 25-5 amp. 250 V | 508/1/02824/203 | 508/1/02837/203 | g |

### Brass

|          |                  |                 |                 |   |
|----------|------------------|-----------------|-----------------|---|
| <b>1</b> | 2-19 amp. 250 V  | 508/1/03042/205 | 508/1/03055/205 | a |
|          | 3-5 amp. 250 V   | 508/1/03043/205 | 508/1/03056/205 | a |
|          | 4-5 amp. 250 V   | 508/1/03044/205 | 508/1/03057/205 | a |
|          | 6-5 amp. 250 V   | 508/1/03045/205 | 508/1/03058/205 | a |
| <b>2</b> | 3-19 amp. 2 kV   | 508/1/03046/205 | 508/1/03059/205 | d |
|          | 4-19 amp. 250 V  | 508/1/03047/205 | 508/1/03060/205 | d |
|          | 6-5 amp. 500 V   | 508/1/03048/205 | 508/1/03061/205 | d |
|          | 6-5 amp. 2 kV    | 508/1/03049/205 | 508/1/03062/205 | d |
|          | 12-5 amp. 250 V  | 508/1/03050/205 | 508/1/03063/205 | e |
| <b>3</b> | 9-19 amp. 250 V  | 508/1/03051/205 | 508/1/03064/205 | g |
|          | 13-12 amp. 250 V | 508/1/03052/205 | 508/1/03065/205 | g |
|          | 18-5 amp. Spec.  | 508/1/03053/205 | 508/1/03066/205 | g |
|          | 25-5 amp. 250 V  | 508/1/03054/205 | 508/1/03067/205 | g |

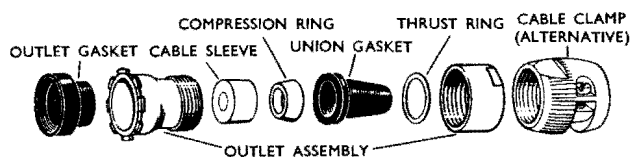


## DEF10 Types D, E and F Cable

Multicore cable with all individually screened leads and no collective screen (Corevinsmall type)

## DEF10 Types C and R Cable

Multicore cable with inner collective screen only (Metvinsmall type)



Note: All rubber fittings are solvent resistant.

\*Note: suffix digit to be inserted to indicate temperature range required.  
T4= /2=chloroprene rubber items. T6= /3=Fluorinated silicone rubber items.

Suffix for Mk. 4/203 Aluminium, /205 Brass,

### aluminium

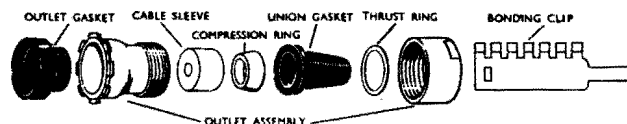
| Shell Size | Cable O/D   |             | Outlet Accessory Set (Clamp) with: |                  | Outlet Accessory Set (union nut) with: |                  | For outlet dims. see code: |
|------------|-------------|-------------|------------------------------------|------------------|----------------------------------------|------------------|----------------------------|
|            | Min.        | Max.        | Straight Outlet                    | Rt. Angle Outlet | Straight Outlet                        | Rt. Angle Outlet |                            |
| 1          | .230        | .350        | 508/1/13710/*01                    | 508/1/13721/*01  | 508/1/02776/*01                        | 508/1/02787/*01  | a                          |
|            | .310        | .410        | 508/1/13711/*01                    | 508/1/13722/*01  | 508/1/02777/*01                        | 508/1/02788/*01  | b                          |
|            | .360 x .220 | .410 x .275 | 508/1/13712/*01                    | 508/1/13723/*01  | 508/1/02778/*01                        | 508/1/02789/*01  | b                          |
|            |             |             |                                    |                  |                                        |                  |                            |
| 2          | .230        | .350        | 508/1/13713/*01                    | 508/1/13724/*01  | 508/1/02779/*01                        | 508/1/02790/*01  | c                          |
|            | .310        | .440        | 508/1/13714/*01                    | 508/1/13725/*01  | 508/1/02780/*01                        | 508/1/02791/*01  | d                          |
|            | .345        | .480        | 508/1/13715/*01                    | 508/1/13726/*01  | 508/1/02781/*01                        | 508/1/02792/*01  | e                          |
|            | .470        | .530        | 508/1/13716/*01                    | 508/1/13727/*01  | 508/1/02782/*01                        | 508/1/02793/*01  | f                          |
|            | .525        | .575        | 508/1/13717/*01                    | 508/1/13728/*01  | 508/1/02783/*01                        | 508/1/02794/*01  | f                          |
|            |             |             |                                    |                  |                                        |                  |                            |
| 3          | .470        | .530        | 508/1/13718/*01                    | 508/1/13729/*01  | 508/1/02784/*01                        | 508/1/02795/*01  | g                          |
|            | .525        | .575        | 508/1/13719/*01                    | 508/1/13730/*01  | 508/1/02785/*01                        | 508/1/02796/*01  | g                          |
|            | .690        | .745        | 508/1/13720/*01                    | 508/1/13731/*01  | 508/1/02786/*01                        | 508/1/02797/*01  | h                          |
|            |             |             |                                    |                  |                                        |                  |                            |

### brass

|   |             |             |                 |                 |                 |                 |   |
|---|-------------|-------------|-----------------|-----------------|-----------------|-----------------|---|
| 1 | .230        | .350        | 508/1/13732/*01 | 508/1/13744/*01 | 508/1/02948/*01 | 508/1/02960/*01 | a |
|   | .310        | .410        | 508/1/13733/*01 | 508/1/13745/*01 | 508/1/02949/*01 | 508/1/02961/*01 | b |
|   | .360 x .220 | .410 x .275 | 508/1/13734/*01 | 508/1/13746/*01 | 508/1/02950/*01 | 508/1/02962/*01 | b |
|   |             |             |                 |                 |                 |                 |   |
| 2 | .230        | .350        | 508/1/13735/*01 | 508/1/13747/*01 | 508/1/02951/*01 | 508/1/02963/*01 | c |
|   | .310        | .440        | 508/1/13736/*01 | 508/1/13748/*01 | 508/1/02952/*01 | 508/1/02964/*01 | d |
|   | .345        | .480        | 508/1/13737/*01 | 508/1/13749/*01 | 508/1/02953/*01 | 508/1/02965/*01 | e |
|   | .470        | .530        | 508/1/13738/*01 | 508/1/13750/*01 | 508/1/02954/*01 | 508/1/02966/*01 | f |
|   | .525        | .575        | 508/1/13739/*01 | 508/1/13751/*01 | 508/1/02955/*01 | 508/1/02967/*01 | f |
|   |             |             |                 |                 |                 |                 |   |
| 3 | .470        | .530        | 508/1/13740/*01 | 508/1/13752/*01 | 508/1/02956/*01 | 508/1/02968/*01 | g |
|   | .525        | .575        | 508/1/13741/*01 | 508/1/13753/*01 | 508/1/02957/*01 | 508/1/02969/*01 | g |
|   | .690        | .745        | 508/1/13742/*01 | 508/1/13754/*01 | 508/1/02958/*01 | 508/1/02970/*01 | h |
|   | .690        | .745        | 508/1/13743/*01 | 508/1/13755/*01 | 508/1/02959/*01 | 508/1/02971/*01 | i |

## DEF10 Type J Cable

Multicore cable with inner collective screen and individually screened H.T. leads (Coremetvinsmall type)



Note: All rubber fittings are solvent resistant.

\*Note: suffix digit to be inserted to indicate temperature range required.  
T4= /2=chloroprene rubber items. T6= /3=Fluorinated silicone rubber items.

Suffix for Mk. 4/203 Aluminium, /205 Brass,

### aluminium

|   |      |      |                 |                 |   |
|---|------|------|-----------------|-----------------|---|
| 2 | .470 | .530 | 508/1/02806/*01 | 508/1/02809/*01 | f |
| 3 | .525 | .575 | 508/1/02807/*01 | 508/1/02810/*01 | f |
| 3 | .690 | .760 | 508/1/02808/*01 | 508/1/02811/*01 | h |

### brass

|   |      |      |                 |                 |   |
|---|------|------|-----------------|-----------------|---|
| 2 | .470 | .530 | 508/1/02980/*01 | 508/1/02983/*01 | f |
| 3 | .525 | .575 | 508/1/02981/*01 | 508/1/02984/*01 | f |
| 3 | .690 | .760 | 508/1/02982/*01 | 508/1/02985/*01 | h |



## Mark 4 and Mark 7 connector accessories

**IMPORTANT.** Relevant cable specifications should be consulted to determine the suitability of cables when using extended temperature connectors.

### Cable entry fittings

To assist in ordering the correct fittings for a specific cable, Complete Outlet Accessory Sets and individual cable entry fittings for various sizes and types of cable are illustrated.

### Waterproofing

Plessey cable entry fittings ensure sound waterproofing provided that the correct size of recommended sets of fittings are used with each specific cable. Waterproofing is effected by either the union gasket, the sealing ring, or gland plug at the rear end of the outlet, or by the outlet gasket or retaining gland at the front end; but if it is found that the cable is not gripped adequately by any of these fittings, a suitable sleeve should be used to increase the outside diameter of the cable.

### Assembling

To facilitate assembly of the cable fittings, a suitable

approved lubricant (to Ministry of Technology Specification DTD.900/4298) should be used on all friction surfaces and all screw threads should be lightly lubricated with MOLY PAUL Polypaste 300 (DTD.900/4669). Special tools are required to tighten locking rings, outlet nuts, union nuts, etc. Tool kit details will be found below.

Cable clamp jaws should be tightened sufficiently to grip the cable, but over-tightening may cause the dielectric to flow and impair its insulating qualities.

### Soldering

Whatever type of cable is used, the very compact design of Plessey Mark 4 and 7 Plugs and Sockets necessitates careful soldering. The conductor ends should first be accurately trimmed, keeping the exposed length of conductor to a minimum, and then tinned. It is recommended that fluorinated silicone rubber markers be fitted on the conductors so that, after soldering, they can be rolled over the joints. The bucket ends of the pin and socket inserts are supplied already tinned with solder to the approved specification. Care should be taken to avoid any overflow of solder from the buckets when soldering. Use solder to BS.219 Grade 95A.

## Tools—Mk 4 and Mk 7 connectors

Tools required for locking cable entry fittings and for mounting fixed units to panels, etc.

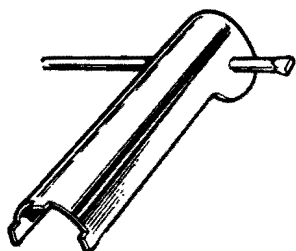
### Sold as complete tool kit only

Part No. 558/1/00260

comprises: Bodyholder, shell size 1; Bodyholder, shell size 2; Bodyholder, shell size 3; Special spanner, shell size 1; Special spanner, shell size 2; Special spanner, shell size 3; Double-ended spanner, shell size 1; Double-ended spanner, shell size 2; Double-ended spanner, shell size 3; Tommy bar (special spanner).

### Special spanner (shown with Tommy bar)

Used with fixed units (including fixed couplers and bulk-

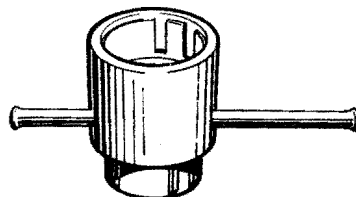


heads) to facilitate tightening of panel locking rings and outlet nuts in conjunction with bodyholder.

### Bodyholder

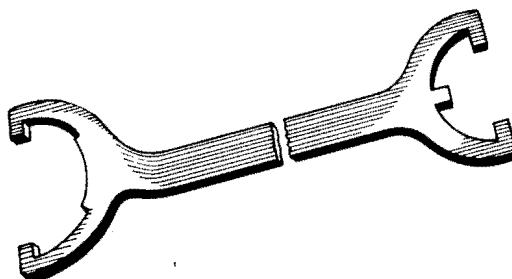
Female end locates on mating face of free units to provide hand grip whilst tightening outlet nut, union nut, or cable clamp with adjustable spanner.

Male end locates on mating face of fixed units (including



couplers) to facilitate tightening of locking ring to panel and, in the case of couplers, tightening of outlet nut and union nut, in conjunction with adjustable spanner or special spanner.

### Double-ended spanner



Used in conjunction with the bodyholder for tightening locking ring, outlet nuts and union nuts.

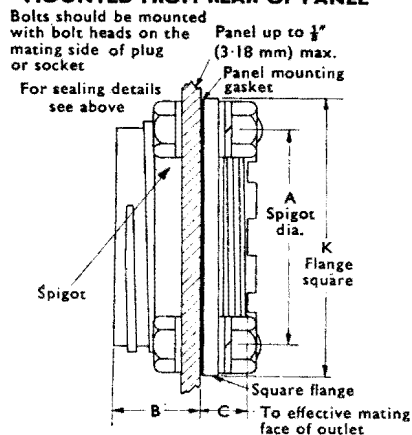


## Fixed (square flange) plugs and sockets

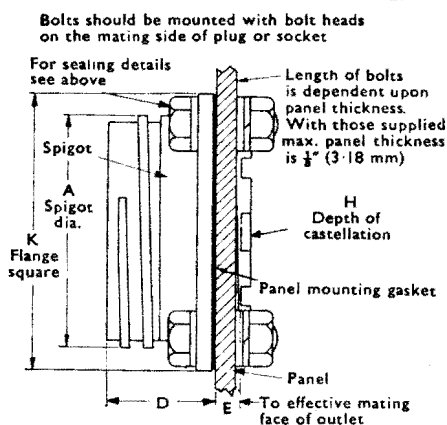
These plugs and sockets are supplied complete with panel mounting gasket, corner bushes, nuts, bolts and washers.

Where outlets are used, outlet Nuts must be specified as additional items.

### MOUNTED FROM REAR OF PANEL

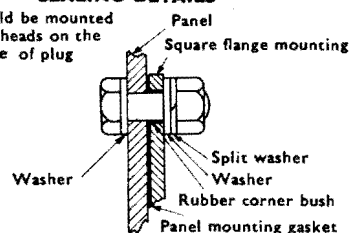


### MOUNTED FROM FRONT OF PANEL



### SEALING DETAILS

Bolts should be mounted with bolt heads on the mating side of plug or socket

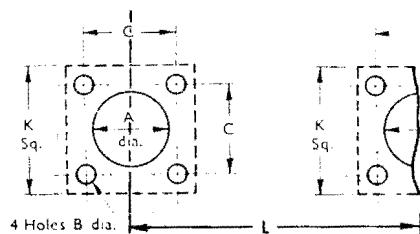


| Contact Arrangement | Weight (oz.) |      | Shell Size | A dia. max. | B   | C   | D   | E   | K sq. | H    |
|---------------------|--------------|------|------------|-------------|-----|-----|-----|-----|-------|------|
|                     | Plug         | Skt. |            |             |     |     |     |     |       |      |
| 2-19 amp. 250 V     | 2.6          | 2.7  | 1          | .990        | .54 | .38 | .67 | .26 | 1.33  | .045 |
| 3-5 amp. 250 V      | 2.7          | 2.6  |            |             |     |     |     |     |       |      |
| 4-5 amp. 250 V      | 2.7          | 2.7  |            |             |     |     |     |     |       |      |
| 6-5 amp. 250 V      | 2.7          | 2.7  |            |             |     |     |     |     |       |      |
| 2-35 amp. 250 V     | 4.1          | 4.0  | 2          | 1.209       | .55 | .38 | .68 | .26 | 1.65  | .045 |
| 3-19 amp. 2 kV      | 4.0          | 4.0  |            |             |     |     |     |     |       |      |
| 4-19 amp. 250 V     | 4.1          | 4.1  |            |             |     |     |     |     |       |      |
| 6-5 amp. 500 V      | 4.0          | 4.0  |            |             |     |     |     |     |       |      |
| 6-5 amp. 2 kV       | 4.0          | 4.0  | 3          | 1.585       | .61 | .40 | .77 | .25 | 1.92  | .060 |
| 12-5 amp. 250 V     | 4.1          | 4.1  |            |             |     |     |     |     |       |      |
| 3-60 amp. } 250 V   | 6.2          | 5.9  |            |             |     |     |     |     |       |      |
| 1-19 amp. } 250 V   | 6.1          | 6.2  |            |             |     |     |     |     |       |      |
| 2-60 amp. } 250 V   | 6.1          | 6.2  |            |             |     |     |     |     |       |      |
| 3-19 amp. } 250 V   | 6.1          | 6.2  |            |             |     |     |     |     |       |      |
| 6-19 amp. 2.5 kV    | 5.9          | 5.9  |            |             |     |     |     |     |       |      |
| 9-19 amp. 250 V     | 6.0          | 6.1  |            |             |     |     |     |     |       |      |
| 13-12 amp. 250 V    | 6.1          | 6.1  |            |             |     |     |     |     |       |      |
| 18-5 amp. spec.     | 5.9          | 5.9  |            |             |     |     |     |     |       |      |
| 25-5 amp. 250 V     | 6.0          | 5.9  |            |             |     |     |     |     |       |      |

## Panel piercing details

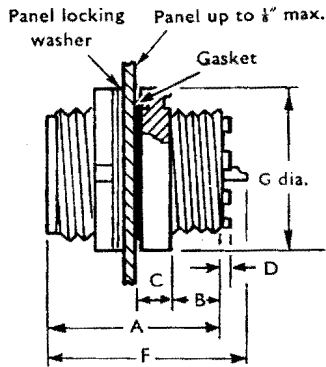
For fixed coupler plugs and sockets (square flange).

The spigot on the shell is a sliding fit in hole 'A'. Minimum distance between centres of adjacent plugs or sockets is dimension 'L'.

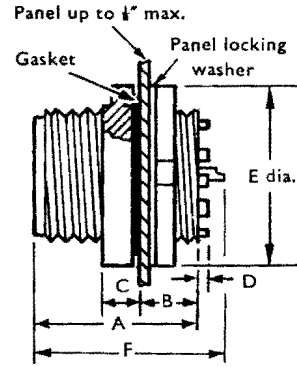


| Shell Size | A dia. | B dia. | C     | K sq. | L    |
|------------|--------|--------|-------|-------|------|
| 1          | .995   | .147   | 1.000 | 1.33  | 1.45 |
|            | 1.000  | 4BA    |       |       |      |
| 2          | 1.215  | .191   | 1.235 | 1.65  | 1.71 |
|            | 1.220  | 2BA    |       |       |      |
| 3          | 1.590  | .191   | 1.515 | 1.92  | 2.19 |
|            | 1.595  | 2BA    |       |       |      |

**MOUNTED FROM REAR  
OF PANEL**



**MOUNTED FROM FRONT  
OF PANEL**

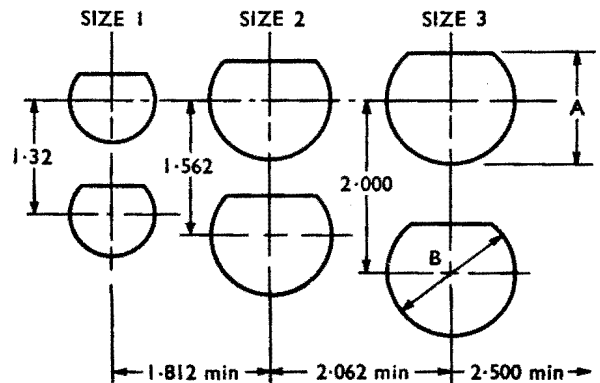


| Shell Size | Contact Arrangement | Weight (oz.) |      | A    | B min. | C min. | D    | E dia. max. | F max. | G dia. max. |
|------------|---------------------|--------------|------|------|--------|--------|------|-------------|--------|-------------|
|            |                     | Plug         | Skt. |      |        |        |      |             |        |             |
| <b>1</b>   | 2-19 amp. 250 V     | .8           | .8   | .96  | .240   | .130   | .045 | 1.13        | 1.08   | 1.15        |
|            | 3-5 amp. 250 V      | .8           | .8   |      |        |        |      |             |        |             |
|            | 4-5 amp. 250 V      | .8           | .8   |      |        |        |      |             |        |             |
|            | 6-5 amp. 250 V      | .9           | .9   |      |        |        |      |             |        |             |
| <b>2</b>   | 2-35 amp. 250 V     | 1.3          | 1.2  | .96  | .240   | .130   | .045 | 1.348       | 1.08   | 1.38        |
|            | 3-19 amp. 2 kV      | 1.2          | 1.2  |      |        |        |      |             |        |             |
|            | 4-19 amp. 250 V     | 1.2          | 1.2  |      |        |        |      |             |        |             |
|            | 6-5 amp. 500 V      | 1.5          | 1.6  |      |        |        |      |             |        |             |
|            | 6-5 amp. 2 kV       | 1.4          | 1.5  |      |        |        |      |             |        |             |
|            | 12-5 amp. 250 V     | 1.7          | 1.7  |      |        |        |      |             |        |             |
| <b>3</b>   | 3-60 amp. 250 V     | 2.5          | 2.3  | 1.07 | .300   | .150   | .060 | 1.723       | 1.15   | 1.755       |
|            | 1-19 amp.           | 2.4          | 2.5  |      |        |        |      |             |        |             |
|            | 2-60 amp. 250 V     | 2.4          | 2.5  |      |        |        |      |             |        |             |
|            | 3-19 amp.           | 2.3          | 2.2  |      |        |        |      |             |        |             |
|            | 6-19 amp. 2.5 kV    | 2.3          | 2.5  |      |        |        |      |             |        |             |
|            | 9-19 amp. 250 V     | 2.3          | 2.5  |      |        |        |      |             |        |             |
|            | 13-12 amp. 250 V    | 2.0          | 2.0  |      |        |        |      |             |        |             |
|            | 18-5 amp. spec.     | 2.1          | 2.0  |      |        |        |      |             |        |             |
|            | 25-5 amp. 250 V     | 2.3          | 2.5  |      |        |        |      |             |        |             |

**Panel piercing details (Round flange fixed items)**

| Shell Size | A           | B dia.      | Panel Mounting Washer* |
|------------|-------------|-------------|------------------------|
| <b>1</b>   | .811/.816   | .848/.853   | 508/2/07810/001        |
| <b>2</b>   | 1.033/1.038 | 1.067/1.072 | 508/2/07811/001        |
| <b>3</b>   | 1.410/1.415 | 1.442/1.447 | 508/2/07812/001        |

\* Panel mounting washers are required where panel thickness is  $\frac{1}{16}$ " or less





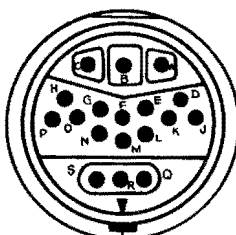
**Special 18 contact 5 A 6–2 kV\* A.C. (peak)**  
**12–250 kV     ”     ”**

\*3 contacts 2kV individually, 3 contacts 2kV collectively

## aluminium

|                     | Patt. 104 A4    | Patt. 104 A6    |
|---------------------|-----------------|-----------------|
| Free Socket         | 508/1/07015/220 | 508/1/07015/320 |
| Free Plug           | 508/1/07035/220 | 508/1/07035/320 |
| Fixed Plug          | 508/1/07075/220 | 508/1/07075/320 |
| Free Coupler Plug   | 508/1/07115/220 | 508/1/07115/320 |
| Fixed Socket        | 508/1/07055/220 | 508/1/07055/320 |
| Free Coupler Plug   | 508/1/07095/220 | 508/1/07095/320 |
|                     |                 |                 |
|                     |                 |                 |
| Ambient temperature | –55° to +100°C  | –55° to +150°C  |

Shell size 3



Datum keyway

## brass

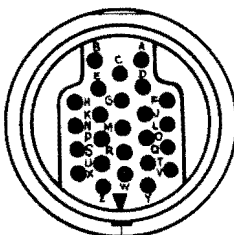
|                                 | Patt. 104 B4    | Fluorinated<br>Silicone |
|---------------------------------|-----------------|-------------------------|
| Free Socket                     | 508/1/07215/220 | 508/1/07215/320         |
| Free Plug                       | 508/1/07235/220 | 508/1/07235/320         |
| Fixed Plug<br>(Round Flange)    | 508/1/07355/220 | 508/1/07355/320         |
| Fixed Plug<br>(Square Flange)   | 508/1/07275/220 | 508/1/07275/320         |
| Free Coupler Plug               | 508/1/07315/220 | 508/1/07315/320         |
| Fixed Socket<br>(Round Flange)  | 508/1/07335/220 | 508/1/07335/320         |
| Fixed Socket<br>(Square Flange) | 508/1/07255/220 | 508/1/07255/320         |
| Free Coupler Socket             | 508/1/07295/220 | 508/1/07295/320         |
| Ambient temperature             | –55°C to +100°C | –55° to +150°C          |

## aluminium

|                     | Patt. 104 A4    | Patt. 104 A6    |
|---------------------|-----------------|-----------------|
| Free Socket         | 508/1/07016/220 | 508/1/07016/320 |
| Free Plug           | 508/1/07036/220 | 508/1/07036/320 |
| Fixed Plug          | 508/1/07076/220 | 508/1/07076/320 |
| Free Coupler Plug   | 508/1/07116/220 | 508/1/07116/320 |
| Fixed Socket        | 508/1/07056/220 | 508/1/07056/320 |
| Free Coupler Socket | 508/1/07096/220 | 508/1/07096/320 |
|                     |                 |                 |
|                     |                 |                 |
| Ambient temperature | –55° to +100°C  | –55° to +150°C  |

**25 contact 5 A 250 V A.C.**

Shell size 3



Datum keyway

## brass

|                                 | Patt. 104 B4    | Fluorinated<br>Silicone |
|---------------------------------|-----------------|-------------------------|
| Free Socket                     | 508/1/07216/220 | 508/1/07216/320         |
| Free Plug                       | 508/1/07236/220 | 508/1/07236/320         |
| Fixed Plug<br>(Round Flange)    | 508/1/07356/220 | 508/1/07356/320         |
| Fixed Plug<br>(Square Flange)   | 508/1/07276/220 | 508/1/07276/320         |
| Free Coupler Plug               | 508/1/07316/220 | 508/1/07316/320         |
| Fixed Socket<br>(Round Flange)  | 508/1/07336/220 | 508/1/07336/320         |
| Fixed Socket<br>(Square Flange) | 508/1/07256/220 | 508/1/07256/320         |
| Free Coupler Socket             | 508/1/07296/220 | 508/1/07296/320         |
| Ambient temperature             | –55° to +100°C  | –55° to +150°C          |

To specify orientated version: replace last digit of part number  
with relevant position number, e.g. 508/1/07015/225 = orientation position 5.

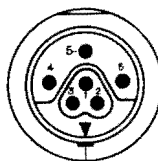


## 6 contact 5 A 500 V A.C. (peak)

### aluminium

|                     | Chloroprene     | Fluorinated Silicone |
|---------------------|-----------------|----------------------|
| Free Socket         | 508/1/07007/220 | 508/1/07007/320      |
| Free Plug           | 508/1/07027/220 | 508/1/07027/320      |
| Fixed Plug          | 508/1/07067/220 | 508/1/07067/320      |
| Free Coupler Plug   | 508/1/07107/220 | 508/1/07107/320      |
| Fixed Socket        | 508/1/07047/220 | 508/1/07047/320      |
| Free Coupler Socket | 508/1/07087/220 | 508/1/07087/320      |
|                     |                 |                      |
|                     |                 |                      |
| Ambient temperature | -55° to +100°C  | -55° to +150°C       |

### Shell size 2



Datum keyway

### brass

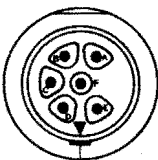
|                              | Chloroprene     | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07207/220 | 508/1/07207/320      |
| Free Plug                    | 508/1/07227/220 | 508/1/07227/320      |
| Fixed Plug (Round Flange)    | 508/1/07347/220 | 508/1/07347/320      |
| Fixed Plug (Square Flange)   | 508/1/07267/220 | 508/1/07267/320      |
| Free Coupler Plug            | 508/1/07307/220 | 508/1/07307/320      |
| Fixed Socket (Round Flange)  | 508/1/07327/220 | 508/1/07327/320      |
| Fixed Socket (Square Flange) | 508/1/07247/220 | 508/1/07247/320      |
| Free Coupler Socket          | 508/1/07287/220 | 508/1/07287/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

## 6 contact 5 A 2 kV A.C. (peak)

### aluminium

|                     | Patt. 104 A4    | Patt. 104 A6    |
|---------------------|-----------------|-----------------|
| Free Socket         | 508/1/07008/220 | 508/1/07008/320 |
| Free Plug           | 508/1/07028/220 | 508/1/07028/320 |
| Fixed Plug          | 508/1/07068/220 | 508/1/07068/320 |
| Free Coupler Plug   | 508/1/07108/220 | 508/1/07108/320 |
| Fixed Socket        | 508/1/07048/220 | 508/1/07048/320 |
| Free Coupler Socket | 508/1/07088/220 | 508/1/07088/320 |
|                     |                 |                 |
|                     |                 |                 |
| Ambient temperature | -55° to +100°C  | -55° to +150°C  |

### Shell size 2



Datum keyway

### brass

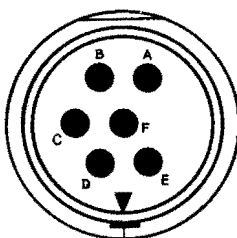
|                              | Patt. 104 B4    | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07208/220 | 508/1/07208/320      |
| Free Plug                    | 508/1/07228/220 | 508/1/07228/320      |
| Fixed Plug (Round Flange)    | 508/1/07348/220 | 508/1/07348/320      |
| Fixed Plug (Square Flange)   | 508/1/07268/220 | 508/1/07268/320      |
| Free Coupler Plug            | 508/1/07308/220 | 508/1/07308/320      |
| Fixed Socket (Round Flange)  | 508/1/07328/220 | 508/1/07328/320      |
| Fixed Socket (Square Flange) | 508/1/07248/220 | 508/1/07248/320      |
| Free Coupler Socket          | 508/1/07288/220 | 508/1/07288/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

## 6 contact 19 A 2.5 kV A.C. (peak)

### aluminium

|                     | Chloroprene     | Fluorinated Silicone |
|---------------------|-----------------|----------------------|
| Free Socket         | 508/1/07012/220 | 508/1/07012/320      |
| Free Plug           | 508/1/07032/220 | 508/1/07032/320      |
| Fixed Plug          | 508/1/07072/220 | 508/1/07072/320      |
| Free Coupler Plug   | 508/1/07112/220 | 508/1/07112/320      |
| Fixed Socket        | 508/1/07052/220 | 508/1/07052/320      |
| Free Coupler Socket | 508/1/07092/220 | 508/1/07092/320      |
|                     |                 |                      |
|                     |                 |                      |
| Ambient temperature | -55° to +100°C  | -55° to +150°C       |

### Shell size 3



Datum keyway

### brass

|                              | Patt. 104 B4    | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07212/220 | 508/1/07212/320      |
| Free Plug                    | 508/1/07232/220 | 508/1/07232/320      |
| Fixed Plug (Round Flange)    | 508/1/07352/220 | 508/1/07352/320      |
| Fixed Plug (Square Flange)   | 508/1/07272/220 | 508/1/07272/320      |
| Free Coupler Plug            | 508/1/07312/220 | 508/1/07312/320      |
| Fixed Socket (Round Flange)  | 508/1/07332/220 | 508/1/07332/320      |
| Fixed Socket (Square Flange) | 508/1/07252/220 | 508/1/07252/320      |
| Free Coupler Socket          | 508/1/07292/220 | 508/1/07292/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

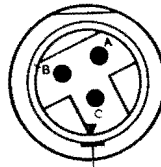
To specify orientated version: replace last digit of part number with relevant position number, e.g. 508/1/07006/225 = orientation position 5.

## 3 contact 19 A 2 kV A.C. (peak)

### aluminium

|                     | Chloroprene     | Fluorinated Silicone |
|---------------------|-----------------|----------------------|
| Free Socket         | 508/1/07005/220 | 508/1/07005/320      |
| Free Plug           | 508/1/07025/220 | 508/1/07025/320      |
| Fixed Plug          | 508/1/07065/220 | 508/1/07065/320      |
| Free Coupler Plug   | 508/1/07105/220 | 508/1/07105/320      |
| Fixed Socket        | 508/1/07045/220 | 508/1/07045/320      |
| Free Coupler Socket | 508/1/07085/220 | 508/1/07085/320      |
|                     |                 |                      |
|                     |                 |                      |
| Ambient temperature | -55° to +100°C  | -55° to +150°C       |

### Shell size 2



Datum keyway

### brass

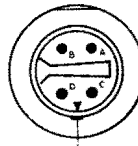
|                              | Chloroprene     | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07205/220 | 508/1/07205/320      |
| Free Plug                    | 508/1/07225/220 | 508/1/07225/320      |
| Fixed Plug (Round Flange)    | 508/1/07345/220 | 508/1/07345/320      |
| Fixed Plug (Square Flange)   | 508/1/07265/220 | 508/1/07265/320      |
| Free Coupler Plug            | 508/1/07305/220 | 508/1/07305/320      |
| Fixed Socket (Round Flange)  | 508/1/07325/220 | 508/1/07325/320      |
| Fixed Socket (Square Flange) | 508/1/07245/220 | 508/1/07245/320      |
| Free Coupler Socket          | 508/1/07285/220 | 508/1/07285/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

## 4 contact 5 A 250 V A.C.

### aluminium

|                     | Patt. 104 A4    | Patt. 104 A6    |
|---------------------|-----------------|-----------------|
| Free Socket         | 508/1/07002/220 | 508/1/07002/320 |
| Free Plug           | 508/1/07022/220 | 508/1/07022/320 |
| Fixed Plug          | 508/1/07062/220 | 508/1/07062/320 |
| Free Coupler Plug   | 508/1/07102/220 | 508/1/07102/320 |
| Fixed Socket        | 508/1/07042/220 | 508/1/07042/320 |
| Free Coupler Socket | 508/1/07082/220 | 508/1/07082/320 |
|                     |                 |                 |
|                     |                 |                 |
| Ambient temperature | -55° to +100°C  | -55° to +150°C  |

### Shell size 1



Datum keyway

### brass

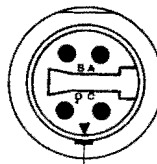
|                              | Patt. 104 B4    | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07202/220 | 508/1/07202/320      |
| Free Plug                    | 508/1/07222/220 | 508/1/07222/320      |
| Fixed Plug (Round Flange)    | 508/1/07342/220 | 508/1/07342/320      |
| Fixed Plug (Square Flange)   | 508/1/07262/220 | 508/1/07262/320      |
| Free Coupler Plug            | 508/1/07302/220 | 508/1/07302/320      |
| Fixed Socket (Round Flange)  | 508/1/07322/220 | 508/1/07322/320      |
| Fixed Socket (Square Flange) | 508/1/07242/220 | 508/1/07242/320      |
| Free Coupler Socket          | 508/1/07282/220 | 508/1/07282/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

## 4 contact 5 A 250 V A.C.

### aluminium

|                     | Patt. 104 A4    | Patt. 104 A6    |
|---------------------|-----------------|-----------------|
| Free Socket         | 508/1/07006/220 | 508/1/07006/320 |
| Free Plug           | 508/1/07026/220 | 508/1/07026/320 |
| Fixed Plug          | 508/1/07066/220 | 508/1/07066/320 |
| Free Coupler Plug   | 508/1/07106/220 | 508/1/07106/320 |
| Fixed Socket        | 508/1/07046/220 | 508/1/07046/320 |
| Free Coupler Socket | 508/1/07086/220 | 508/1/07086/320 |
|                     |                 |                 |
|                     |                 |                 |
| Ambient temperature | -55° to +100°C  | -55° to +150°C  |

### Shell size 2



Datum keyway

### brass

|                              | Patt. 104 B4    | Fluorinated Silicone |
|------------------------------|-----------------|----------------------|
| Free Socket                  | 508/1/07206/220 | 508/1/07206/320      |
| Free Plug                    | 508/1/07226/220 | 508/1/07226/320      |
| Fixed Plug (Round Flange)    | 508/1/07346/220 | 508/1/07346/320      |
| Fixed Plug (Square Flange)   | 508/1/07266/220 | 508/1/07266/320      |
| Free Coupler Plug            | 508/1/07306/220 | 508/1/07306/320      |
| Fixed Socket (Round Flange)  | 508/1/07326/220 | 508/1/07326/320      |
| Fixed Socket (Square Flange) | 508/1/07246/220 | 508/1/07246/320      |
| Free Coupler Socket          | 508/1/07286/220 | 508/1/07286/320      |
| Ambient temperature          | -55° to +100°C  | -55° to +150°C       |

To specify orientated version: replace last digit of part number with relevant position number, e.g. 508/1/07005/225 = orientation position 5.



## Types of plugs and sockets

There are four different types of component: (a) Free, (b) Fixed (round flange), (c) Free Coupler, (d) Fixed (square flange).

A. FREE UNITS (or "Cable Units"): Are *always* used as one side of a mating pair. They carry the coupling nut which engages on the thread in the shell of *all other* types of plug or socket.

B. FIXED UNITS (round flange) (or "Panel Units"):

Require only single hole panel piercing and can be mounted from the front or rear of the panel. A flat on the shell gives positive location within the hole.

C. FIXED UNITS (square flange) (or "Panel Units"): Perform similar functions as the Fixed Units. Available in Brass only.

D. FREE COUPLER UNITS (or "Cable Coupler Units"): Cable fittings can be accommodated at the rear of plug or socket.

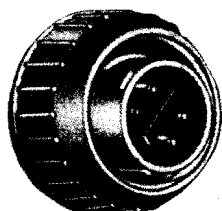
## Mk 7 shell styles

It is important to note that Mk 7 units are in accordance with DEF5325-2. The Brass Fixed Unit (square flange) retains the characteristics of the Mk 4 Brass Fixed Coupler Unit.

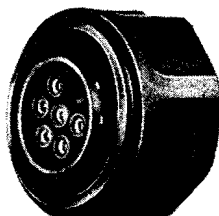
The Fixed Unit (round flange), additional to specification requirements, complies basically with the Mk 4 Brass Fixed Unit.

The term 'Fixed Coupler Unit' applicable to Mk 4 is no longer used although all Mk 7 Fixed Units have rear castellations to accept cable fittings enabling them to function as Fixed Coupler Units.

**Aluminium**

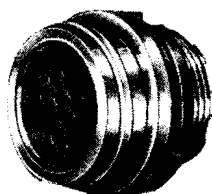
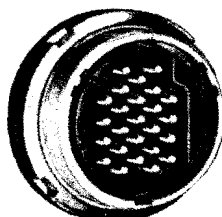


**Brass**



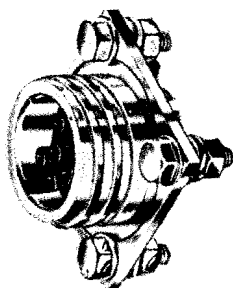
### Free unit

A free plug or socket is used to connect the cable to mating components which are fixed plugs and sockets, free or fixed couplers and bulkhead units. Outlet nuts are supplied with these connectors.



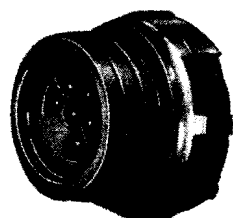
### Fixed unit (round flange)

A fixed plug or socket is mounted to a junction box, panel, etc., and has rear castellations to accept cable fittings. When these are required an outlet nut must be specified as an additional item.



### Fixed unit (square flange)

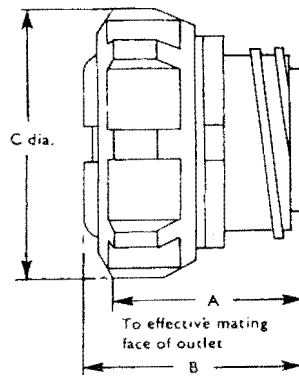
Fixed plugs and sockets with a square flange are available in the Brass ranges only and have rear castellations to accept cable fittings. When these are required an outlet nut must be specified as an additional item.



### Free coupler unit

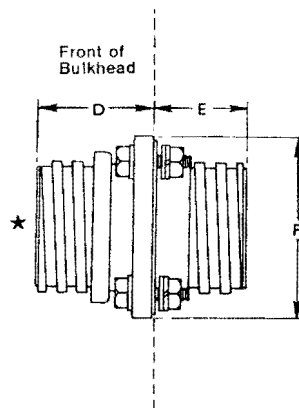
A free coupler plug or socket is used as a means of connecting two free cables and mates with the free plug or socket only. Outlet nuts are supplied with these connectors.

## Free coupler plugs and sockets



| Contract Arrangement | Weight (oz.) |      | Shell Size | A    | B    | C dia. |
|----------------------|--------------|------|------------|------|------|--------|
|                      | Plug         | Skt. |            |      |      |        |
| 2-19 amp. 250 V      | 2.5          | 2.6  | 1          | .93  | 1.08 | 1.38   |
| 3-5 amp. 250 V       | 2.6          | 2.6  |            |      |      |        |
| 4-5 amp. 250 V       | 2.6          | 2.6  |            |      |      |        |
| 6-5 amp. 250 V       | 2.7          | 2.7  |            |      |      |        |
| 2-35 amp. 250 V      | 3.6          | 3.5  | 2          | .95  | 1.10 | 1.614  |
| 3-19 amp. 2 kV       | 3.6          | 3.6  |            |      |      |        |
| 4-19 amp. 250 V      | 3.6          | 3.6  |            |      |      |        |
| 6-5 amp. 500 V       | 3.6          | 3.6  |            |      |      |        |
| 6-5 amp. 2 kV        | 3.6          | 3.6  |            |      |      |        |
| 12-5 amp. 250 V      | 3.6          | 3.6  |            |      |      |        |
| 3-60 amp. 250 V      | 5.9          | 5.7  | 3          | 1.05 | 1.20 | 2.018  |
| 1-19 amp.            | 5.9          | 6.0  |            |      |      |        |
| 2-60 amp. 250 V      | 5.9          | 6.0  |            |      |      |        |
| 3-19 amp.            | 5.9          | 5.9  |            |      |      |        |
| 6-19 amp. 2.5 kV     | 5.9          | 6.0  |            |      |      |        |
| 9-19 amp. 250 V      | 5.9          | 6.0  |            |      |      |        |
| 18-5 amp. spec.      | 5.9          | 6.0  |            |      |      |        |
| 25-5 amp. 250 V      | 5.9          | 6.0  |            |      |      |        |
| 13-12 amp. 250 V     | 6.0          | 6.0  |            |      |      |        |

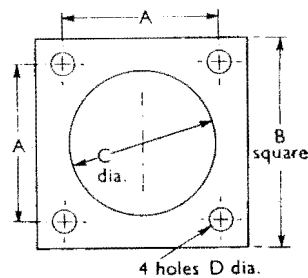
## Bulkhead \*plug/sockets and \*socket/plugs



| Contact Arrangement | Weight (oz.) |      | Shell Size | D    | E   | F sq. |
|---------------------|--------------|------|------------|------|-----|-------|
|                     | Plug         | Skt. |            |      |     |       |
| 2-19 amp. 250 V     | 5.1          | 5.2  | 1          | 1.15 | .79 | 1.33  |
| 3-5 amp. 250 V      | 5.2          | 5.2  |            |      |     |       |
| 4-5 amp. 250 V      | 5.2          | 5.2  |            |      |     |       |
| 6-5 amp. 250 V      | 5.2          | 5.3  |            |      |     |       |
| 2-35 amp. 250 V     | 8.2          | 8.4  | 2          | 1.15 | .79 | 1.65  |
| 3-19 amp. 2 kV      | 8.2          | 8.2  |            |      |     |       |
| 4-19 amp. 250 V     | 8.2          | 8.2  |            |      |     |       |
| 6-5 amp. 500 V      | 8.2          | 8.3  |            |      |     |       |
| 6-5 amp. 2 kV       | 8.3          | 8.2  |            |      |     |       |
| 12-5 amp. 250 V     | 8.4          | 8.4  |            |      |     |       |
| 3-60 amp. 250 V     | 12.6         | 12.0 | 3          | 1.24 | .92 | 1.92  |
| 1-19 amp.           | 12.6         | 12.4 |            |      |     |       |
| 2-60 amp. 250 V     | 12.6         | 12.4 |            |      |     |       |
| 3-19 amp.           | 12.1         | 12.2 |            |      |     |       |
| 6-19 amp. 2.5 kV    | 12.3         | 12.4 |            |      |     |       |
| 9-19 amp. 250 V     | 12.4         | 12.4 |            |      |     |       |
| 18-5 amp. spec.     | 12.4         | 12.4 |            |      |     |       |
| 25-5 amp. 250 V     | 12.2         | 12.4 |            |      |     |       |
| 13-12 amp. 250 V    | 12.2         | 12.4 |            |      |     |       |

## Panel piercing details

For bulkhead plug/sockets and socket/plugs

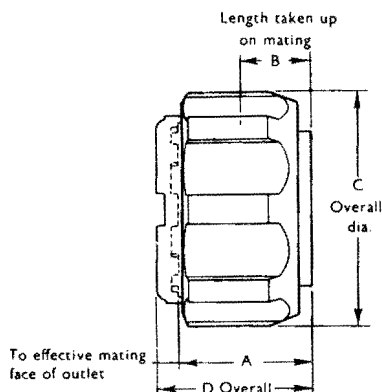


| Shell Size | A Dimension | B Dimension | C Diameter  | D Diameter |
|------------|-------------|-------------|-------------|------------|
| 1          | 1.00        | 1.33        | 1.005/1.010 | .147       |
| 2          | 1.235       | 1.65        | 1.225/1.230 | .191       |
| 3          | 1.515       | 1.92        | 1.600/1.605 | .191       |



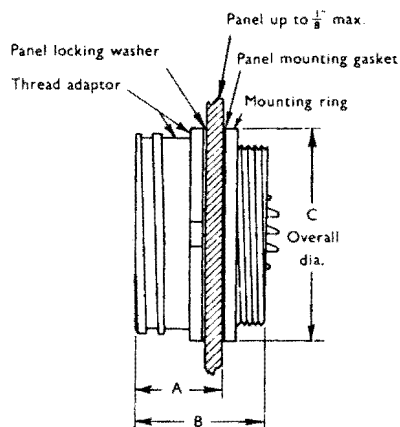
## Dimensions and weights Brass Mark 4 Plugs and sockets

### Free plugs and sockets



### Fixed plugs and sockets (Round flange)

#### MOUNTED FROM FRONT OR REAR OF PANEL



To mount from front of panel, remove mounting ring and gasket.

To mount from rear of panel, remove thread adaptor and locking washer.

Use a panel mounting washer on panels up to  $\frac{1}{16}$ " thick

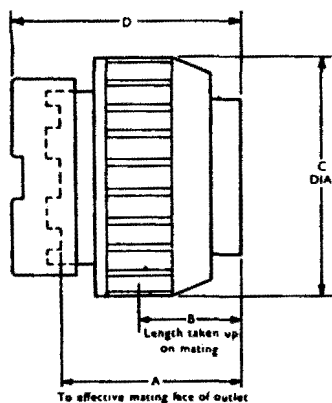
| Contact Arrangement | Weight (oz.) |      | Shell Size | A    | B   | C dia. | D    |
|---------------------|--------------|------|------------|------|-----|--------|------|
|                     | Plug         | Skt. |            |      |     |        |      |
| 2-19 amp. 250 V     | 2.5          | 2.5  | 1          | .87  | .34 | 1.25   | 1.02 |
| 3-5 amp. 250 V      | 2.5          | 2.5  |            |      |     |        |      |
| 4-5 amp. 250 V      | 2.5          | 2.5  |            |      |     |        |      |
| 6-5 amp. 250 V      | 2.6          | 2.6  |            |      |     |        |      |
| 2-35 amp. 250 V     | 3.5          | 3.4  | 2          | .86  | .34 | 1.51   | 1.02 |
| 3-19 amp. 2 kV      | 3.4          | 3.4  |            |      |     |        |      |
| 4-19 amp. 250 V     | 3.4          | 3.4  |            |      |     |        |      |
| 6-5 amp. 500 V      | 3.4          | 3.4  |            |      |     |        |      |
| 6-5 amp. 2 kV       | 3.4          | 3.4  |            |      |     |        |      |
| 12-5 amp. 250 V     | 3.4          | 3.4  |            |      |     |        |      |
| 3-60 amp. } 250 V   | 5.8          | 5.5  | 3          | 1.02 | .42 | 1.92   | 1.19 |
| 1-19 amp. }         |              |      |            |      |     |        |      |
| 2-60 amp. }         | 5.6          | 5.7  |            |      |     |        |      |
| 3-19 amp. }         |              |      |            |      |     |        |      |
| 6-19 amp. 2.5 kV    | 5.4          | 5.4  |            |      |     |        |      |
| 9-19 amp. 250 V     | 5.6          | 5.7  |            |      |     |        |      |
| 13-12 amp. 250 V    | 5.6          | 5.6  |            |      |     |        |      |
| 18-5 amp. spec.     | 5.5          | 5.5  |            |      |     |        |      |
| 25-5 amp. 250 V     | 5.6          | 5.6  |            |      |     |        |      |

| Contact Arrangement | Weights (oz.) |      | Shell Size | A   | B    | C dia. |
|---------------------|---------------|------|------------|-----|------|--------|
|                     | Plug          | Skt. |            |     |      |        |
| 2-19 amp. 250 V     | 1.8           | 1.9  | 1          | .60 | .90  | 1.125  |
| 3-5 amp. 250 V      | 1.9           | 1.8  |            |     |      |        |
| 4-5 amp. 250 V      | 1.9           | 1.9  |            |     |      |        |
| 6-5 amp. 250 V      | 1.9           | 1.9  |            |     |      |        |
| 2-35 amp. 250 V     | 2.5           | 2.5  | 2          | .60 | .90  | 1.343  |
| 3-19 amp. 2 kV      | 2.4           | 2.4  |            |     |      |        |
| 4-19 amp. 250 V     | 2.5           | 2.5  |            |     |      |        |
| 6-5 amp. 500 V      | 2.4           | 2.4  |            |     |      |        |
| 6-5 amp. 2 kV       | 2.4           | 2.4  |            |     |      |        |
| 12-5 amp. 250 V     | 2.5           | 2.5  |            |     |      |        |
| 3-60 amp. } 250 V   | 4.1           | 3.9  | 3          | .67 | 1.02 | 1.718  |
| 1-19 amp. }         |               |      |            |     |      |        |
| 2-60 amp. }         | 4.0           | 4.1  |            |     |      |        |
| 3-19 amp. }         |               |      |            |     |      |        |
| 6-19 amp. 2.5 kV    | 3.8           | 3.8  |            |     |      |        |
| 9-19 amp. 250 V     | 4.0           | 4.1  |            |     |      |        |
| 13-12 amp. 250 V    | 3.6           | 3.6  |            |     |      |        |
| 18-5 amp. spec.     | 3.9           | 3.9  |            |     |      |        |
| 25-5 amp. 250 V     | 4.0           | 4.0  |            |     |      |        |



## Dimensions and weights Aluminium Mark 4 Plugs and sockets

### Free plugs and sockets

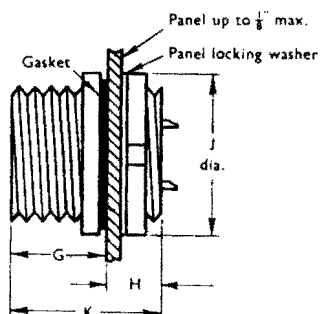


#### Free

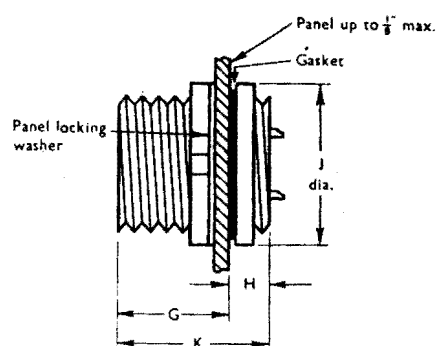
| Contact Arrangement          | Weight (oz.) |      | Shell Size | A    | B   | C dia. | D    |
|------------------------------|--------------|------|------------|------|-----|--------|------|
|                              | Plug         | Skt. |            |      |     |        |      |
| 2-19 amp. 250 V              | -7           | -7   | 1          | .88  | .34 | 1.140  | 1.03 |
| 3-5 amp. 250 V               | -7           | -7   |            |      |     |        |      |
| 4-5 amp. 250 V               | -7           | -7   |            |      |     |        |      |
| 6-5 amp. 250 V               | -7           | -8   |            |      |     |        |      |
| 2-35 amp. 250 V              | 1-1          | 1-1  | 2          | .865 | .34 | 1.363  | 1.02 |
| 3-19 amp. 2 kV               | 1-1          | 1-1  |            |      |     |        |      |
| 4-19 amp. 250 V              | 1-1          | 1-1  |            |      |     |        |      |
| 6-5 amp. 500 V               | 1-1          | 1-1  |            |      |     |        |      |
| 6-5 amp. 2 kV                | 1-3          | 1-4  |            |      |     |        |      |
| 12-5 amp. 250 V              | 1-2          | 1-2  |            |      |     |        |      |
| 3-60 amp. 250 V<br>1-19 amp. | 2-3          | 2-1  | 3          | 1.03 | .42 | 1.738  | 1.19 |
| 2-60 amp. 250 V<br>3-19 amp. | 2-15         | 2-3  |            |      |     |        |      |
| 6-19 amp. 2.5 kV             | 2-0          | 2-0  |            |      |     |        |      |
| 9-19 amp. 250 V              | 2-1          | 2-2  |            |      |     |        |      |
| 18-5 amp. spec.              | 1-9          | 1-8  |            |      |     |        |      |
| 25-5 amp. 250 V              | 1-8          | 2-0  |            |      |     |        |      |

### Fixed plugs and sockets

#### MOUNTED FROM FRONT OF PANEL



#### MOUNTED FROM REAR OF PANEL



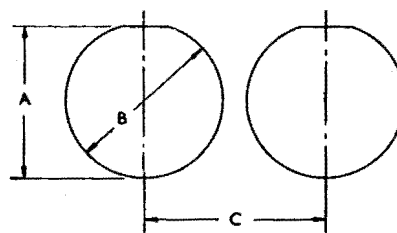
#### Fixed

| Contact Arrangement          | Weight (oz.) |      | Shell Size | G   | H    | J dia. | K     |
|------------------------------|--------------|------|------------|-----|------|--------|-------|
|                              | Plug         | Skt. |            |     |      |        |       |
| 2-19 amp. 250 V              | -8           | -8   | 1          | .60 | .302 | 1.125  | .902  |
| 3-5 amp. 250 V               | -8           | -8   |            |     |      |        |       |
| 4-5 amp. 250 V               | -8           | -8   |            |     |      |        |       |
| 6-5 amp. 250 V               | -9           | -9   |            |     |      |        |       |
| 2-35 amp. 250 V              | 1-3          | 1-2  | 2          | .60 | .302 | 1.343  | .902  |
| 3-19 amp. 2 kV               | 1-2          | 1-2  |            |     |      |        |       |
| 4-19 amp. 250 V              | 1-2          | 1-2  |            |     |      |        |       |
| 6-5 amp. 500 V               | 1-5          | 1-6  |            |     |      |        |       |
| 6-5 amp. 2 kV                | 1-4          | 1-5  |            |     |      |        |       |
| 12-5 amp. 250 V              | 1-7          | 1-7  |            |     |      |        |       |
| 3-60 amp. 250 V<br>1-19 amp. | 2-5          | 2-3  | 3          | .67 | .349 | 1.718  | 1.019 |
| 2-60 amp. 250 V<br>3-19 amp. | 2-4          | 2-5  |            |     |      |        |       |
| 6-19 amp. 2.5 kV             | 2-3          | 2-2  |            |     |      |        |       |
| 9-19 amp. 250 V              | 2-3          | 2-5  |            |     |      |        |       |
| 18-5 amp. spec.              | 2-1          | 2-0  |            |     |      |        |       |
| 25-5 amp. 250 V              | 2-3          | 2-5  |            |     |      |        |       |

### Panel piercing details

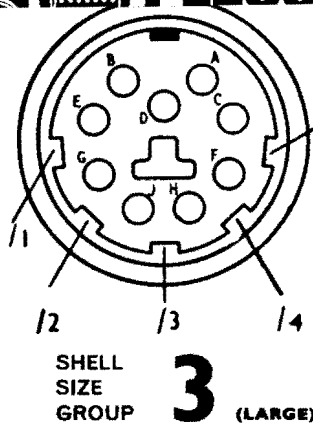
| Shell Size | A           | B dia.      | C     | Panel Mounting Washer* 508/2/ |
|------------|-------------|-------------|-------|-------------------------------|
| 1          | .811/.816   | .848/.853   | 1.312 | 07810/005                     |
| 2          | 1.033/1.038 | 1.067/1.072 | 1.562 | 07811/005                     |
| 3          | 1.410/1.415 | 1.442/1.447 | 2.00  | 07812/005                     |

The 'flat' is not essential for sealing and is provided for location only



Recommended minimum

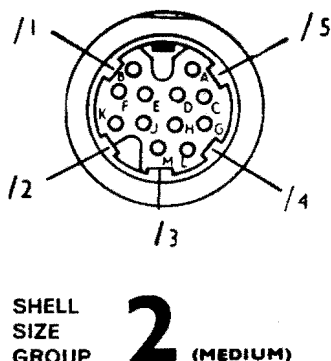
\* Panel mounting washers are required where panel thickness is  $\frac{1}{32}$ " or less.



| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40213/52*        | FREE<br>SOCKET | 40613/52*                        |
| 40233/52*        | FREE<br>PLUG   | 40633/52*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40273/52*        | FIXED PLUG           | 40673/52*                        |
| 40353/52*        | FIXED COUPLER PLUG   | 40753/52*                        |
| 40313/52*        | FREE COUPLER PLUG    | **                               |
| **               | BULKHEAD PLUG/SOCKET | **                               |
| **               | BULKHEAD SOCKET/PLUG | **                               |
| 40253/52*        | FIXED SOCKET         | 40653/52*                        |
| 40333/52*        | FIXED COUPLER SOCKET | 40733/52*                        |
| 40293/52*        | FREE COUPLER SOCKET  | **                               |

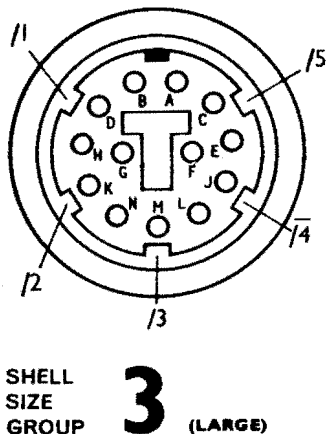
## 12 CONTACT 5 AMP 250 VOLTS AC



| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40209/52*        | FREE<br>SOCKET | 40609/52*                        |
| 40229/52*        | FREE<br>PLUG   | 40629/52*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40269/52*        | FIXED PLUG           | 40669/52*                        |
| 40349/52*        | FIXED COUPLER PLUG   | 40749/52*                        |
| 40309/52*        | FREE COUPLER PLUG    | **                               |
| 40389/52*        | BULKHEAD PLUG/SOCKET | **                               |
| 40369/52*        | BULKHEAD SOCKET/PLUG | **                               |
| 40249/52*        | FIXED SOCKET         | 40649/52*                        |
| 40329/52*        | FIXED COUPLER SOCKET | 40729/52*                        |
| 40289/52*        | FREE COUPLER SOCKET  | **                               |

## 13 CONTACT 12 AMP 250 VOLTS AC



| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| —                | FREE<br>SOCKET | 40614/52*                        |
| —                | FREE<br>PLUG   | 40634/52*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| —                | FIXED PLUG           | 40674/52*                        |
| —                | FIXED COUPLER PLUG   | 40754/52*                        |
| —                | FREE COUPLER PLUG    | **                               |
| —                | BULKHEAD PLUG/SOCKET | **                               |
| —                | BULKHEAD SOCKET/PLUG | **                               |
| —                | FIXED SOCKET         | 40654/52*                        |
| —                | FIXED COUPLER SOCKET | 40734/52*                        |
| —                | FREE COUPLER SOCKET  | **                               |

\*\* Items marked thus can be supplied, but special prices and protracted delivery may be unavoidable.

\* 3rd digit of the suffix indicates orientation feature, i.e. 0=Neutral; 1 to 5=positions 1-5 respectively.

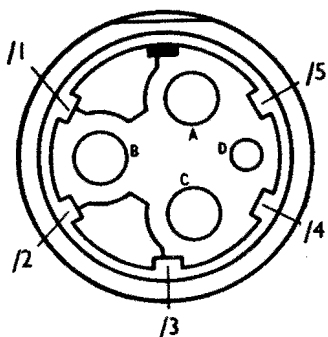


**PLESSEY**  
INTERCONNECT

# Connectors—Mk 4 Brass

## 3 CONTACT 60 AMP 250 VOLTS AC

1 " 19 "



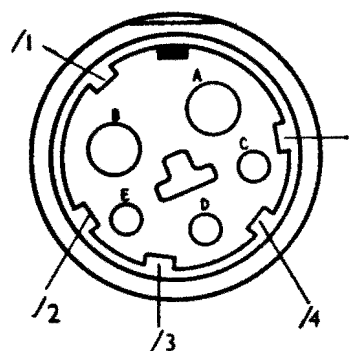
SHELL  
SIZE  
GROUP **3** (LARGE)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40210/52*        | FREE<br>SOCKET | 40610/52*                        |
| 40230/52*        | FREE<br>PLUG   | 40630/52*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40270/52*        | FIXED PLUG           | 40670/52*                        |
| 40350/52*        | FIXED COUPLER PLUG   | 40750/52*                        |
| 40310/52*        | FREE COUPLER PLUG    | **                               |
| **               | BULKHEAD PLUG/SOCKET | **                               |
| **               | BULKHEAD SOCKET/PLUG | **                               |
| 40250/52*        | FIXED SOCKET         | 40650/52*                        |
| 40330/52*        | FIXED COUPLER SOCKET | 40730/52*                        |
| 40290/52*        | FREE COUPLER SOCKET  | 40690/52*                        |

## 2 CONTACT 60 AMP 250 VOLTS AC

3 " 19 "

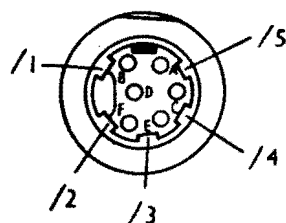


SHELL  
SIZE  
GROUP **3** (LARGE)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40211/52*        | FREE<br>SOCKET | 40611/52*                        |
| CZ<br>40231/52*  | FREE<br>PLUG   | 2CZ<br>40631/52*                 |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40271/52*        | FIXED PLUG           | 40671/52*                        |
| 40351/52*        | FIXED COUPLER PLUG   | 40751/52*                        |
| 40311/52*        | FREE COUPLER PLUG    | **                               |
| **               | BULKHEAD PLUG/SOCKET | **                               |
| **               | BULKHEAD SOCKET/PLUG | **                               |
| 40251/52*        | FIXED SOCKET         | 40651/52*                        |
| 40331/52*        | FIXED COUPLER SOCKET | 40731/52*                        |
| 40291/52*        | FREE COUPLER SOCKET  | **                               |

## 6 CONTACT 5 AMP 250 VOLTS AC



SHELL  
SIZE  
GROUP **1** (SMALL)

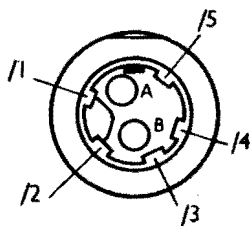
| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40203/52*        | FREE<br>SOCKET | 40603/52*                        |
| 40223/52*        | FREE<br>PLUG   | 40623/52*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40263/52*        | FIXED PLUG           | 40663/52*                        |
| 40343/52*        | FIXED COUPLER PLUG   | 40743/52*                        |
| 40303/52*        | FREE COUPLER PLUG    | **                               |
| 40383/52*        | BULKHEAD PLUG/SOCKET | **                               |
| 40363/52*        | BULKHEAD SOCKET/PLUG | **                               |
| 40243/52*        | FIXED SOCKET         | 40643/52*                        |
| 40323/52*        | FIXED COUPLER SOCKET | 40723/52*                        |
| 40283/52*        | FREE COUPLER SOCKET  | **                               |

\*\* Items marked thus can be supplied, but special prices and protracted delivery may be unavoidable.

\* 3rd digit of the suffix indicates orientation feature, i.e. 0=Neutral; 1 to 5=positions 1-5 respectively.

## 2 CONTACT 19 AMP 250 VOLTS AC

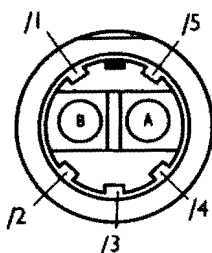


SHELL  
SIZE  
GROUP **1** (SMALL)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40200/52*        | FREE<br>SOCKET | 40600/52*                        |
| 40220/52*        | FREE<br>PLUG   | 40620/52*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40260/52*        | FIXED PLUG           | 40660/52*                        |
| 40340/52*        | FIXED COUPLER PLUG   | 40740/52*                        |
| 40300/52*        | FREE COUPLER PLUG    | **                               |
| 40380/52*        | BULKHEAD PLUG/SOCKET | **                               |
| 40360/52*        | BULKHEAD SOCKET/PLUG | **                               |
| 40240/52*        | FIXED SOCKET         | 40640/52*                        |
| 40320/52*        | FIXED COUPLER SOCKET | 40720/52*                        |
| 40280/52*        | FREE COUPLER SOCKET  | **                               |

## 2 CONTACT 35 AMP 250 VOLTS AC

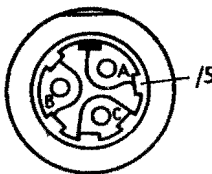


SHELL  
SIZE  
GROUP **2** (MEDIUM)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40204/52*        | FREE<br>SOCKET | **                               |
| 40224/52*        | FREE<br>PLUG   | **                               |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40264/52*        | FIXED PLUG           | **                               |
| 40344/52*        | FIXED COUPLER PLUG   | **                               |
| **               | FREE COUPLER PLUG    | **                               |
| **               | BULKHEAD PLUG/SOCKET | **                               |
| **               | BULKHEAD SOCKET/PLUG | **                               |
| 40244/52*        | FIXED SOCKET         | **                               |
| 40324/52*        | FIXED COUPLER SOCKET | **                               |
| **               | FREE COUPLER SOCKET  | **                               |

## 3 CONTACT 5 AMP 250 VOLTS AC



SHELL  
SIZE  
GROUP **1** (SMALL)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40201/52*        | FREE<br>SOCKET | 40601/52*                        |
| 40221/52*        | FREE<br>PLUG   | 40621                            |

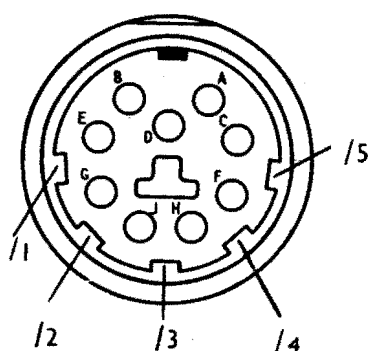
| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40261/52*        | FIXED PLUG           | 40661/52*                        |
| 40341/52*        | FIXED COUPLER PLUG   | 40741/52*                        |
| 40301/52*        | FREE COUPLER PLUG    | **                               |
| 40381/52*        | BULKHEAD PLUG/SOCKET | **                               |
| 40361/52*        | BULKHEAD SOCKET/PLUG | **                               |
| 40241/52*        | FIXED SOCKET         | 40641/52*                        |
| 40321/52*        | FIXED COUPLER SOCKET | 40721/52*                        |
| 40281/52*        | FREE COUPLER SOCKET  | **                               |

\*\* Items marked thus can be supplied, but special prices and protracted delivery may be unavoidable.

\* 3rd digit of the suffix indicates orientation feature, i.e. 0=Neutral; 1 to 5=positions 1-5 respectively.



## 9 CONTACT 19 AMP 250 VOLTS AC



SHELL  
SIZE  
GROUP **3** (LARGE)

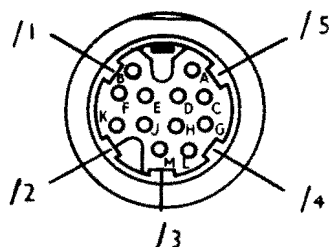
| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40013/32*        | FREE<br>SOCKET | 40413/32*                        |
| 40033/32*        | FREE<br>PLUG   | 40433/32*                        |

| Normal<br>508/1/ |                    | Single piece<br>gasket<br>508/1/ |
|------------------|--------------------|----------------------------------|
| 40073/32*        | FIXED PLUG         | 40473/32*                        |
| 40153/32*        | FIXED COUPLER PLUG | 40553/32*                        |
| 40113/32*        | FREE COUPLER PLUG  | 40513/32*                        |

|    |                      |    |
|----|----------------------|----|
| ** | BULKHEAD PLUG/SOCKET | ** |
| ** | BULKHEAD SOCKET/PLUG | ** |

|           |                      |           |
|-----------|----------------------|-----------|
| 40053/32* | FIXED SOCKET         | 40453/32* |
| 40133/32* | FIXED COUPLER SOCKET | 40533/32* |
| 40093/32* | FREE COUPLER SOCKET  | 40493/32* |

## 12 CONTACT 5 AMP 250 VOLTS AC



SHELL  
SIZE  
GROUP **2** (MEDIUM)

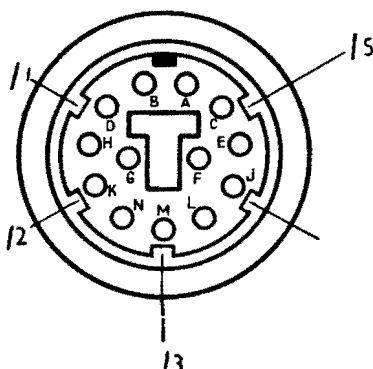
| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40009/32*        | FREE<br>SOCKET | 40409/32*                        |
| 40029/32*        | FREE<br>PLUG   | 40429/32*                        |

| Normal    |                    | Single piece<br>gasket<br>508/1/ |
|-----------|--------------------|----------------------------------|
| 40069/32* | FIXED PLUG         | 40469/32*                        |
| 40149/32* | FIXED COUPLER PLUG | 40549/32*                        |
| 40109/32* | FREE COUPLER PLUG  | 40509/32*                        |

|           |                      |           |
|-----------|----------------------|-----------|
| 40189/32* | BULKHEAD PLUG/SOCKET | 40589/32* |
| 40169/32* | BULKHEAD SOCKET/PLUG | **        |

|           |                      |           |
|-----------|----------------------|-----------|
| 40049/32* | FIXED SOCKET         | 40449/32* |
| 40129/32* | FIXED COUPLER SOCKET | 40529/32* |
| 40089/32* | FREE COUPLER SOCKET  | 40489/32* |

## 13 CONTACT 12 AMP 250 VOLTS AC



SHELL  
SIZE  
GROUP **3** (LARGE)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| —                | FREE<br>SOCKET | * *                              |
| —                | FREE<br>PLUG   | * *                              |

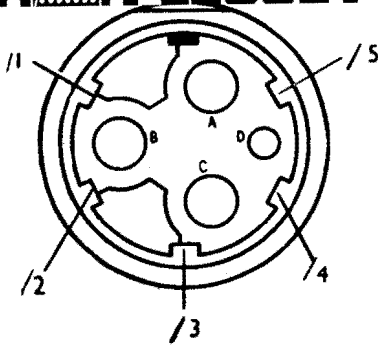
| Normal |                    | Single piece<br>gasket |
|--------|--------------------|------------------------|
| —      | FIXED PLUG         | **                     |
| —      | FIXED COUPLER PLUG | **                     |
| —      | FREE COUPLER PLUG  | **                     |

|   |                      |    |
|---|----------------------|----|
| — | BULKHEAD PLUG/SOCKET | ** |
| — | BULKHEAD SOCKET/PLUG | ** |

|   |                      |    |
|---|----------------------|----|
| — | FIXED SOCKET         | ** |
| — | FIXED COUPLER SOCKET | ** |
| — | FREE COUPLER SOCKET  | ** |

\*\* Items marked thus can be supplied, but special prices and protracted delivery may be unavoidable.

\* 3rd digit of the suffix indicates orientation feature, i.e. 0=Neutral; 1 to 5=positions 1-5 respectively.

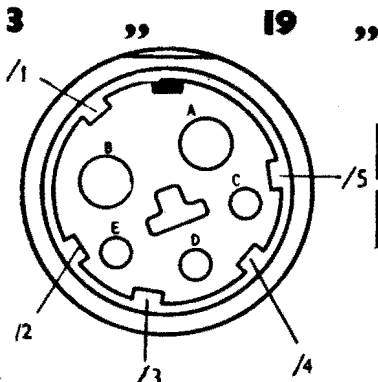


SHELL  
SIZE  
GROUP **3** (LARGE)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40010/32*        | FREE<br>SOCKET | 40410/32*                        |
| 40030/320        | FREE<br>PLUG   | 40430/32*                        |

|           |                      |           |
|-----------|----------------------|-----------|
| 40150/32* | FIXED COUPLER PLUG   | 40550/32* |
| 40110/32* | FREE COUPLER PLUG    | 40510/32* |
| **        | BULKHEAD PLUG/SOCKET | **        |
| **        | BULKHEAD SOCKET/PLUG | **        |
| 40050/32* | FIXED SOCKET         | 40450/32* |
| 40130/32* | FIXED COUPLER SOCKET | 40530/32* |
| 40090/32* | FREE COUPLER SOCKET  | 40490/32* |

## 2 CONTACT 60 AMP 250 VOLTS AC

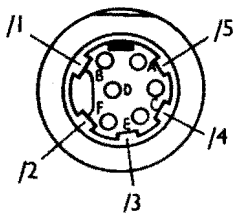


SHELL  
SIZE  
GROUP **3** (LARGE)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40011/32*        | FREE<br>SOCKET | 40411/32*                        |
| 40031/32*        | FREE<br>PLUG   | 40431/32*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40071/32*        | FIXED PLUG           | 40471/32*                        |
| 40151/320        | FIXED COUPLER PLUG   | 40551/32*                        |
| 40111/32*        | FREE COUPLER PLUG    | 40511/32*                        |
| **               | BULKHEAD PLUG/SOCKET | **                               |
| **               | BULKHEAD SOCKET/PLUG | **                               |
| 40051/32*        | FIXED SOCKET         | 40451/32*                        |
| 40131/32*        | FIXED COUPLER SOCKET | 40531/32*                        |
| 40091/32*        | FREE COUPLER SOCKET  | 40491/32*                        |

## 6 CONTACT 5 AMP 250 VOLTS AC



SHELL  
SIZE  
GROUP **1** (SMALL)

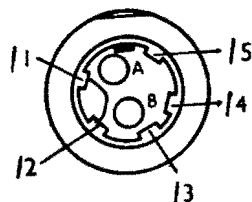
| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40003/32*        | FREE<br>SOCKET | 40403/32*                        |
| 40023/32*        | FREE<br>PLUG   | 40423/32*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40063/32*        | FIXED PLUG           | 40463/32*                        |
| 40143/32*        | FIXED COUPLER PLUG   | 40543/32*                        |
| 40103/32*        | FREE COUPLER PLUG    | 40503/32*                        |
| 40183/32*        | BULKHEAD PLUG/SOCKET | 40583/32*                        |
| 40163/32*        | BULKHEAD SOCKET/PLUG | 40563/32*                        |
| 40043/32*        | FIXED SOCKET         | 40443/32*                        |
| 40123/32*        | FIXED COUPLER SOCKET | 40523/32*                        |
| 40083/32*        | FREE COUPLER SOCKET  | 40483/32*                        |



**Aluminium Mk 4 mating combinations and contact arrangement**  
(Normal and single piece gasket ranges)

## 2 CONTACT 19 AMP 250 VOLTS AC

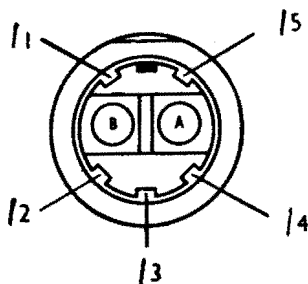


SHELL  
SIZE  
GROUP **1** (SMALL)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40000/32*        | FREE<br>SOCKET | 40400/32*                        |
| 40020/32*        | FREE<br>PLUG   | 40420/32*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40060/32*        | FIXED PLUG           | 40460/32*                        |
| 40140/32*        | FIXED COUPLER PLUG   | 40540/32*                        |
| 40100/32*        | FREE COUPLER PLUG    | 40500/32*                        |
| 40180/32*        | BULKHEAD PLUG/SOCKET | 40580/32*                        |
| 40160/32*        | BULKHEAD SOCKET/PLUG | 40560/320                        |
| 40040/32*        | FIXED SOCKET         | 40440/32*                        |
| 40120/32*        | FIXED COUPLER SOCKET | 40520/32*                        |
| 40080/32*        | FREE COUPLER SOCKET  | 40480/32*                        |

## 2 CONTACT 35 AMP 250 VOLTS AC

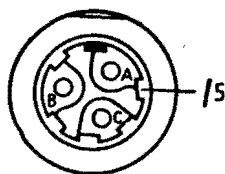


SHELL  
SIZE  
GROUP **2** (MEDIUM)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40004/32*        | FREE<br>SOCKET | **                               |
| 40024/32*        | FREE<br>PLUG   | **                               |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40064/32*        | FIXED PLUG           | **                               |
| 40144/32*        | FIXED COUPLER PLUG   | **                               |
| 40104/32*        | FREE COUPLER PLUG    | **                               |
| **               | BULKHEAD PLUG/SOCKET | **                               |
| **               | BULKHEAD SOCKET/PLUG | **                               |
| 40044/32*        | FIXED SOCKET         | **                               |
| 40124/32*        | FIXED COUPLER SOCKET | **                               |
| 40084/32*        | FREE COUPLER SOCKET  | **                               |

## 3 CONTACT 5 AMP 250 VOLTS AC



SHELL  
SIZE  
GROUP **1** (SMALL)

| Normal<br>508/1/ |                | Single piece<br>gasket<br>508/1/ |
|------------------|----------------|----------------------------------|
| 40001/32*        | FREE<br>SOCKET | 40401/32*                        |
| 40021/32*        | FREE<br>PLUG   | 40421/32*                        |

| Normal<br>508/1/ |                      | Single piece<br>gasket<br>508/1/ |
|------------------|----------------------|----------------------------------|
| 40061/32*        | FIXED PLUG           | 40461/32*                        |
| 40141/32*        | FIXED COUPLER PLUG   | 40541/32*                        |
| 40101/32*        | FREE COUPLER PLUG    | 40501/32*                        |
| 40181/32*        | BULKHEAD PLUG/SOCKET | 40581/32*                        |
| 40161/32*        | BULKHEAD SOCKET/PLUG | 40561/32*                        |
| 40041/32*        | FIXED SOCKET         | 40441/32*                        |
| 40121/32*        | FIXED COUPLER SOCKET | 40521/32*                        |
| 40081/32*        | FREE COUPLER SOCKET  | 40481/32*                        |