

Characteristics

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

Range of operating temperatures -40°C to $+85^{\circ}\text{C}$
Normal ranges. -40°C to $+85^{\circ}\text{C}$ Single piece gasket ranges.

Voltage ratings from 250 V a.c. to 2.5 kV peak.
(Ministry of Defence High Tension Ratings are 500 V lower.)

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

Insulation resistance between any contact and earth is in excess of 10 M Ω at 500 V d.c. under worst conditions.

Dielectric Phenolic.

Plug and socket contacts silver-plated brass giving a maximum contact resistance of 2 m Ω .

Vibration proof Proof tested to meet the vibration requirements of R.C.S.II sec. 6-2.

Housings Aluminium alloy, or brass cadmium plated and passivated.

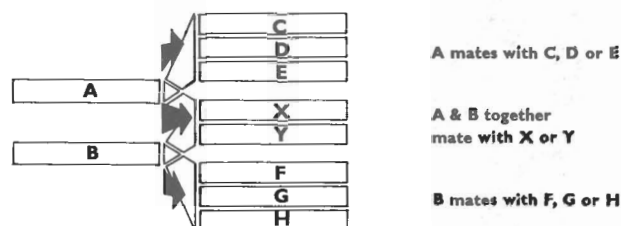
Cable fittings Cable fittings ensure adequate weather-proofing at entry and are available for both multicore and single core cables. Complete screening is provided for, and mechanical strain is taken on the outer covering of the cable and not by the electrical connections. All types of multicore cable to Ministry of Defence specification D.E.F.10 are accommodated in addition to uncore cable, and Uniradio cables to specification D.E.F.14, Type IBI. Cable entry fittings are not supplied as part of a plug or socket and must be ordered separately.

Mismatching Reorientation feature eliminates mismatching between adjacent plugs or sockets of similar contact arrangement.

Contact arrangement From 2 contacts to 25 contacts housed in three sizes of shell: Group 1 (small), Group 2 (medium), and Group 3 (large).

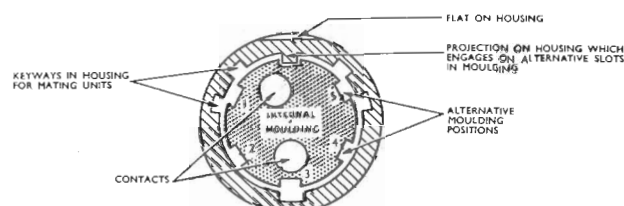
Types of plugs and sockets There are five different types of component as illustrated below.

arranged to show mating components can be seen at a glance. There are no other mating combinations apart from those shown. Thus:



The diagram at the side of each group shows the Plug contact arrangement, the contact coding and moulding characteristics of the mating face of a Fixed Plug. All coding of sockets is reversed, i.e. a mirror image of the plug coding.

A unique feature of Plessey Mk. 4 Plugs and Sockets is that the internal moulding carrying the contacts may be located in any one of six radial positions relative to the keyways in the outer shell. This facility eliminates the possibility of mismatching adjacent plugs and sockets of the same contact arrangement. The sixth position is known as "neutral" (as shown in all diagrams) and orientations 1 to 5 are marked accordingly on the moulding. Unless



Mating face of a fixed plug showing typical contact arrangement in neutral position

otherwise stated when ordering, all Plugs and Sockets will be supplied in the neutral position. Orientated units are identified by the last digit in the suffix of the part number (**1, **2, etc.).

Only orientations of the same last digit, in the suffix of the part number, can be mated together.

It is not recommended that orientation, i.e. changing the location of a moulding in a Unit already supplied, be undertaken by users, as the dismantling of the Plug or Socket may destroy the pressure seal.

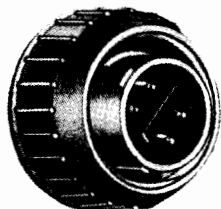
Attention is drawn to the 3 contact, 5 A range of Plugs and Sockets in which only the neutral and 5th orientation variations are available.

Neutral and orientated Part Numbers are allotted individual Joint Service Reference Nos.

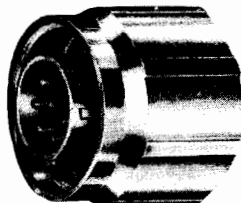


Mark 4 Shell styles

aluminium

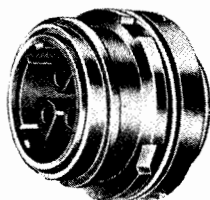
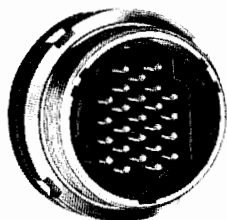


brass



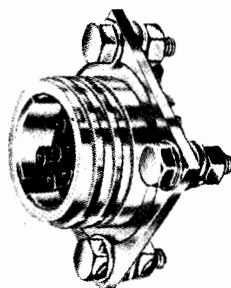
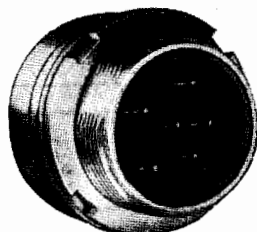
Free unit

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.



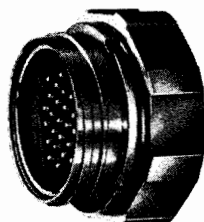
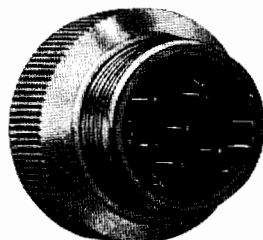
Fixed unit

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.



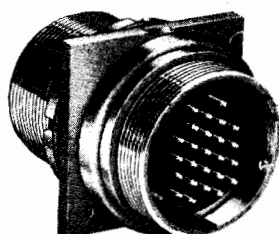
Fixed coupler unit

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.



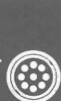
(Plug/socket)

(Socket/plug)

Bulkhead connector

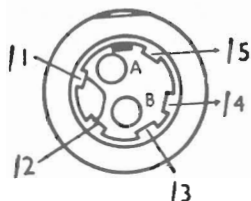
This range of climatic proof pressurised bulkhead connectors is used to permit a complete break in a cable passing through a bulkhead. All have plug pins one end and socket inserts at the other so that they mate with a free plug and a free socket.

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.



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

2 CONTACT 19 AMP 250 VOLTS AC

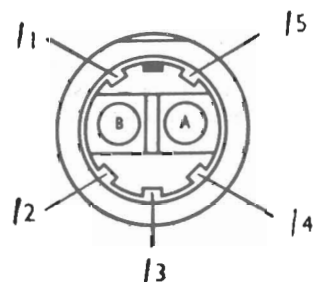


SHELL
SIZE
GROUP **1** (SMALL)

Normal 508/1/		Single piece gasket 508/1/
40000/32*	FREE SOCKET	40400/32*
40020/32*	FREE PLUG	40420/32*

Normal 508/1/		Single piece gasket 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

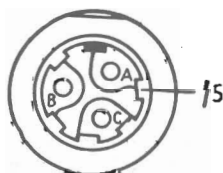


SHELL
SIZE
GROUP **2** (MEDIUM)

Normal 508/1/		Single piece gasket 508/1/
40004/32*	FREE SOCKET	**
40024/32*	FREE PLUG	**

Normal 508/1/		Single piece gasket 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

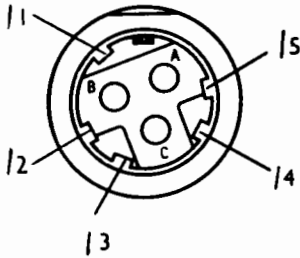


SHELL
SIZE
GROUP **1** (SMALL)

Normal 508/1/		Single piece gasket 508/1/
40001/32*	FREE SOCKET	40401/32*
40021/32*	FREE PLUG	40421/32*

Normal 508/1/		Single piece gasket 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*

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



SHELL
SIZE
GROUP **2** (MEDIUM)

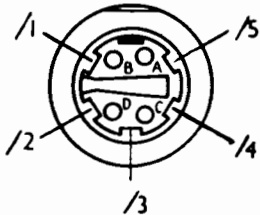
Normal 508/1/		Single piece gasket 508/1/
40005/32*	FREE SOCKET	40405/32*
40025/32*	FREE PLUG	40425/32*

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

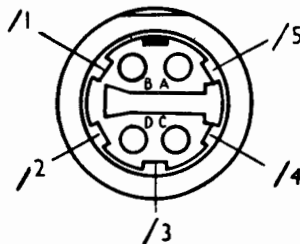
Normal 508/1/		Single piece gasket 508/1/
40002/32*	FREE SOCKET	40402/32*
40022/32*	FREE PLUG	40422/32*

Normal 508/1/		Single piece gasket 508/1/
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 508/1/		Single piece gasket 508/1/
40006/32*	FREE SOCKET	40406/32*
40026/32*	FREE PLUG	40426/32*

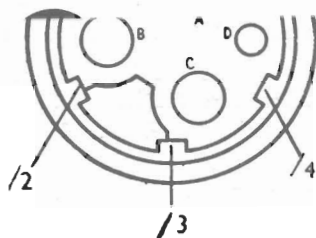
Normal 508/1/		Single piece gasket 508/1/
40066/32*	FIXED PLUG	40466/32*
40146/32*	FIXED COUPLER PLUG	40546/32*
40106/32*	FREE COUPLER PLUG	40506/32*

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 **3** (LARGE)

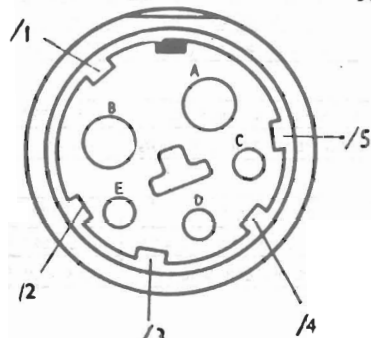
40010/32*	SOCKET	40410/32*
40030/320	FREE PLUG	40430/32*

**	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

3 " 19 "



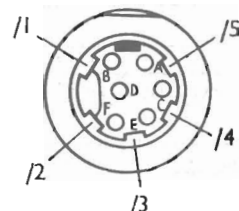
SHELL
SIZE
GROUP **3** (LARGE)

Normal 508/1/		Single piece gasket 508/1/
40011/32*	FREE SOCKET	40411/32*
40031/32*	FREE PLUG	40431/32*

Normal 508/1/		Single piece gasket 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 508/1/		Single piece gasket 508/1/
40003/32*	FREE SOCKET	40403/32*
40023/32*	FREE PLUG	40423/32*

Normal 508/1/		Single piece gasket 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*

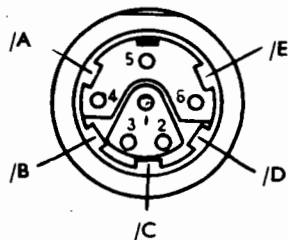
362

Tel. Crawley (0293) 28700 Telex 87131

SASCO

Tel. Glasgow (041-221) 6152 Telex 778841

6 CONTACT 5 AMP 500 VOLTS AC PEAK

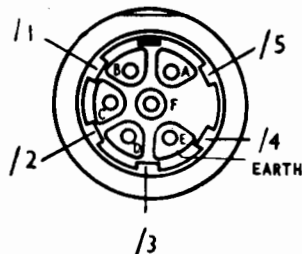


SHELL
SIZE
GROUP **2** (MEDIUM)

Normal 508/1/		Single piece gasket 508/1/
40007/32*	FREE SOCKET	40407/32*
40027/32*	FREE PLUG	40427/32*

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

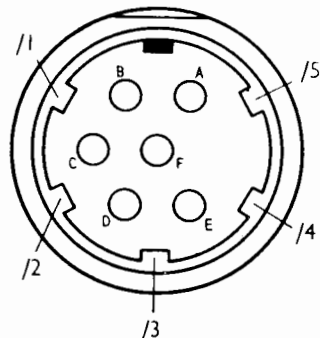


SHELL
SIZE
GROUP **2** (MEDIUM)

Normal 508/1/		Single piece gasket 508/1/
40008/32*	FREE SOCKET	40408/32*
40028/32*	FREE PLUG	40428/32*

Normal 508/1/		Single piece gasket 508/1/
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 SOCKET	—
40032/32*	FREE PLUG	—

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

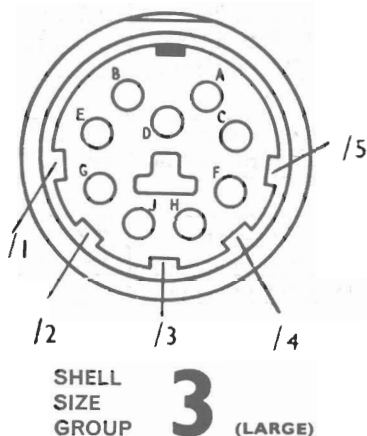
Normal 508/1/		Single piece gasket 508/1/
40072/32*	FIXED PLUG	—
40152/32*	FIXED COUPLER PLUG	—
40112/32*	FREE COUPLER PLUG	—
40192/32*	BULKHEAD PLUG/SOCKET	—
40172/32*	BULKHEAD SOCKET/PLUG	—
40052/32*	FIXED SOCKET	—
40132/32*	FIXED COUPLER SOCKET	—
40092/32*	FREE COUPLER SOCKET	—

** 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.



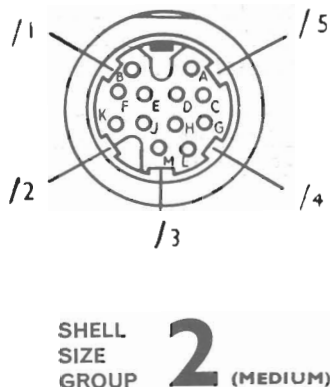
9 CONTACT 19 AMP 250 VOLTS AC



Normal 508/1/		Single piece gasket 508/1/
40013/32*	FREE SOCKET	40413/32*
40033/32*	FREE PLUG	40433/32*

Normal 508/1/		Single piece gasket 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*

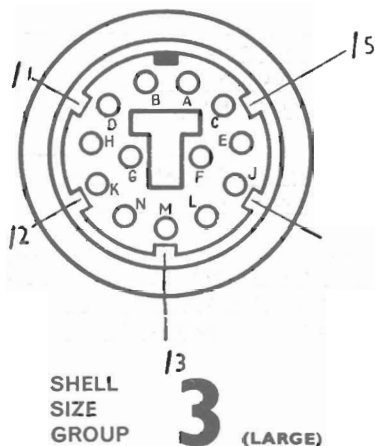
12 CONTACT 5 AMP 250 VOLTS AC



Normal 508/1/		Single piece gasket 508/1/
40009/32*	FREE SOCKET	40409/32*
40029/32*	FREE PLUG	40429/32*

Normal		Single piece gasket 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



Normal 508/1/		Single piece gasket 508/1/
—	FREE SOCKET	* *
—	FREE PLUG	* *

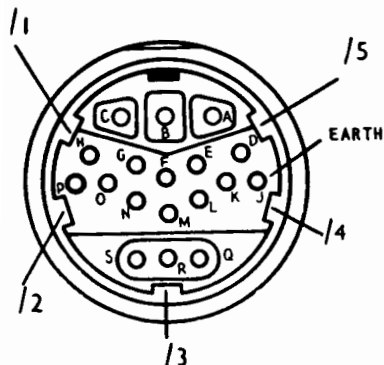
Normal		Single piece gasket
—	FIXED PLUG	**
—	FIXED COUPLER PLUG	**
—	FREE COUPLER PLUG	**
—	BULKHEAD PLUG/SOCKET	**
—	BULKHEAD SOCKET/PLUG	**
—	FIXED SOCKET	**
—	FIXED COUPLER SOCKET	**
—	FREE COUPLER SOCKET	**

** 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.



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)

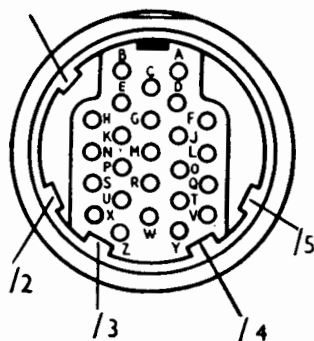
Normal 508/1/		Single piece gasket 508/1/
40015/32*	FREE SOCKET	40415/32*
40035/32*	FREE PLUG	40435/32*

Normal 508/1/		Single piece gasket 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 508/1/		Single piece gasket 508/1/
40016/32*	FREE SOCKET	40416/32*
40036/32*	FREE PLUG	40436/32*

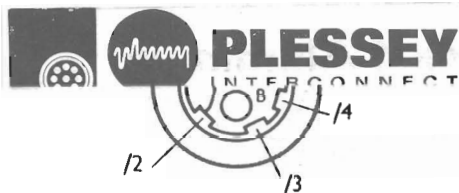
Normal 508/1/		Single piece gasket 508/1/
40076/32*	FIXED PLUG	40476/32*
40156/32*	FIXED COUPLER PLUG	40556/32*
40116/32*	FREE COUPLER PLUG	40516/32*

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*

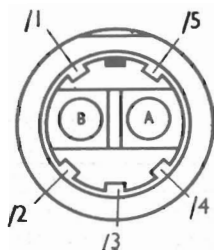
** Items marked thus can be supplied, but special prices and protracted delivery may be unavoidable.

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

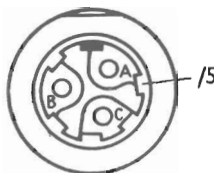


SHELL
SIZE
GROUP **1** (SMALL)

2 CONTACT 35 AMP 250 VOLTS AC



SHELL
SIZE
GROUP **2** (MEDIUM)



SHELL
SIZE
GROUP **1** (SMALL)

Connectors—Mk 4 Brass

Normal 508/1/		Single piece gasket 508/1/
40200/52*	FREE SOCKET	40600/52*
40220/52*	FREE PLUG	40620/52*

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	**

Normal 508/1/		Single piece gasket 508/1/
40204/52*	FREE SOCKET	**
40224/52*	FREE PLUG	**

Normal 508/1/		Single piece gasket 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

Normal 508/1/		Single piece gasket 508/1/
40201/52*	FREE SOCKET	40601/52*
40221/52*	FREE PLUG	40621

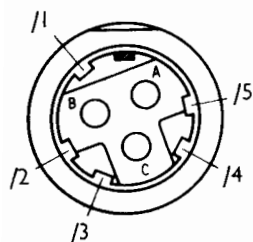
Normal 508/1/		Single piece gasket 508/1/
40261/52*	FIXED PLUG	40661/52*
40341/52*	FIXED COUPLER PLUG	40741/52*
40301/52*	FREE COUPLER PLUG	**

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.



SHELL
SIZE
GROUP **2** (MEDIUM)

Normal
508/1/

Normal 508/1/	Single piece gasket 508/1/
40205/52*	FREE SOCKET
40225/52*	FREE PLUG

Single piece
gasket
508/1/

Single piece gasket 508/1/	Normal 508/1/
40605/52*	FREE SOCKET
40625/52*	FREE PLUG

Normal
508/1/

Normal 508/1/	Single piece gasket 508/1/
40265/52*	FIXED PLUG
40345/52*	FIXED COUPLER PLUG
**	FREE COUPLER PLUG

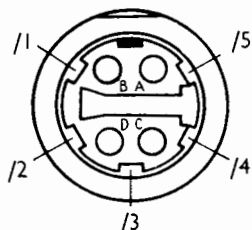
Single piece
gasket
508/1/

Single piece gasket 508/1/	Normal 508/1/
40665/52*	FIXED PLUG
40745/52*	FIXED COUPLER PLUG
**	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
508/1/

Normal 508/1/	Single piece gasket 508/1/
40206/52*	FREE SOCKET
40226/52*	FREE PLUG

Single piece
gasket
508/1/

Single piece gasket 508/1/	Normal 508/1/
40606/52*	FREE SOCKET
40626/52*	FREE PLUG

Normal
508/1/

Normal 508/1/	Single piece gasket 508/1/
40266/52*	FIXED PLUG
40346/52*	FIXED COUPLER PLUG
40306/52*	FREE COUPLER PLUG

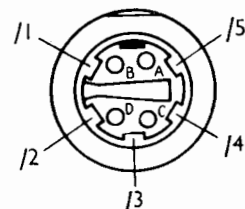
Single piece
gasket
508/1/

Single piece gasket 508/1/	Normal 508/1/
40666/52*	FIXED PLUG
40746/52*	FIXED COUPLER PLUG
**	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
508/1/

Normal 508/1/	Single piece gasket 508/1/
40202/52*	FREE SOCKET
40222/52*	FREE PLUG

Single piece
gasket
508/1/

Single piece gasket 508/1/	Normal 508/1/
40602/52*	FREE SOCKET
40622/52*	FREE PLUG

Normal
508/1/

Normal 508/1/	Single piece gasket 508/1/
40262/52*	FIXED PLUG
40342/52*	FIXED COUPLER PLUG
40302/52*	FREE COUPLER PLUG

Single piece
gasket
508/1/

Single piece gasket 508/1/	Normal 508/1/
40662/52*	FIXED PLUG
40742/52*	FIXED COUPLER PLUG
**	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.

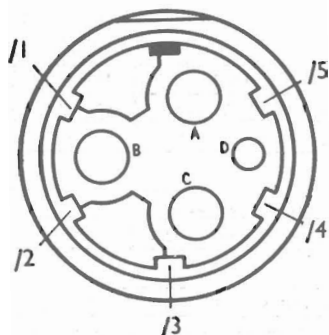


PLESSEY
INTERCONNECT

Connectors—Mk 4 Brass

3 CONTACT 60 AMP 250 VOLTS AC

1 " 19 "



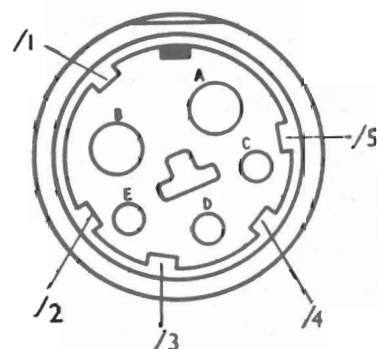
SHELL
SIZE
GROUP **3** (LARGE)

Normal 508/1/		Single piece gasket 508/1/
40210/52*	FREE SOCKET	40610/52*
40230/52*	FREE PLUG	40630/52*

Normal 508/1/		Single piece gasket 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 "

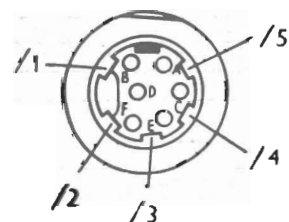


SHELL
SIZE
GROUP **3** (LARGE)

Normal 508/1/		Single piece gasket 508/1/
40211/52*	FREE SOCKET	40611/52*
CZ 40231/52*	FREE PLUG	2CZ 40631/52*

Normal 508/1/		Single piece gasket 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)

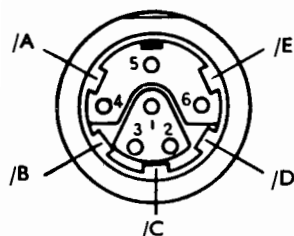
Normal 508/1/		Single piece gasket 508/1/
40203/52*	FREE SOCKET	40603/52*
40223/52*	FREE PLUG	40623/52*

Normal 508/1/		Single piece gasket 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.

6 CONTACT 5 AMP 500 VOLTS AC

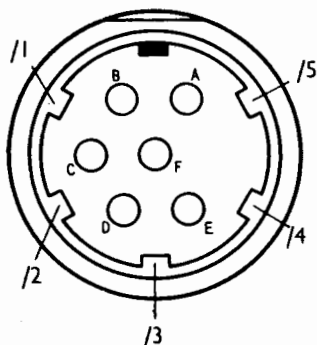


SHELL
SIZE
GROUP **2** (MEDIUM)

Normal 508/1/		Single piece gasket 508/1/
40207/52*	FREE SOCKET	40607/52*
40227/52*	FREE PLUG	40627/52*

Normal 508/1/		Single piece gasket 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**



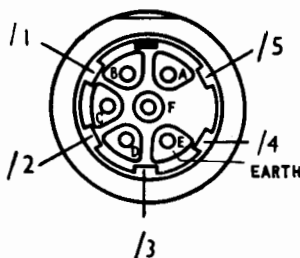
SHELL
SIZE
GROUP **3** (LARGE)

Normal 508/1/		Single piece gasket 508/1/
40212/52*	FREE SOCKET	—
40232/52*	FREE PLUG	—

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

Normal 508/1/		Single piece gasket 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)

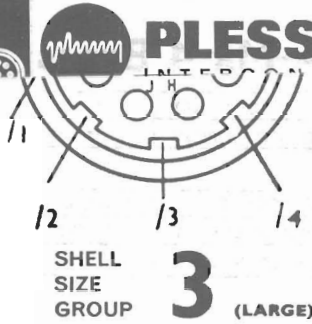
Normal 508/1/		Single piece gasket 508/1/
40208/52*	FREE SOCKET	40608/52*
40228/52*	FREE PLUG	40628/52*

Normal 508/1/		Single piece gasket 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.

PLESSEY

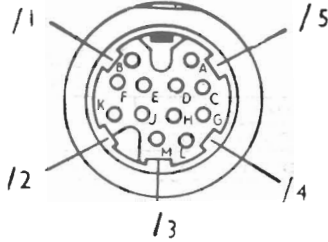


Normal 508/1/	Single piece gasket 508/1/
40213/52*	FREE SOCKET
40233/52*	FREE PLUG
40613/52*	
40633/52*	

Connectors—Mk 4 Brass

Normal 508/1/	Single piece gasket 508/1/
40313/52*	FREE COUPLER PLUG
**	BULKHEAD PLUG/SOCKET
**	BULKHEAD SOCKET/PLUG
40253/52*	FIXED SOCKET
40333/52*	FIXED COUPLER SOCKET
40293/52*	FREE COUPLER SOCKET
40653/52*	
40733/52*	

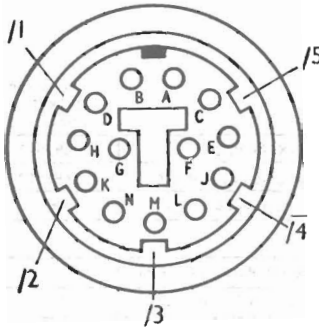
12 CONTACT 5 AMP 250 VOLTS AC



Normal 508/1/	Single piece gasket 508/1/
40209/52*	FREE SOCKET
40229/52*	FREE PLUG
40609/52*	
40629/52*	

Normal 508/1/	Single piece gasket 508/1/
40269/52*	FIXED PLUG
40349/52*	FIXED COUPLER PLUG
40309/52*	FREE COUPLER PLUG
40389/52*	BULKHEAD PLUG/SOCKET
40369/52*	BULKHEAD SOCKET/PLUG
40249/52*	FIXED SOCKET
40329/52*	FIXED COUPLER SOCKET
40289/52*	FREE COUPLER SOCKET
40669/52*	
40749/52*	

13 CONTACT 12 AMP 250 VOLTS AC



Normal 508/1/	Single piece gasket 508/1/
—	FREE SOCKET
—	FREE PLUG
40614/52*	
40634/52*	

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

** 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.

370

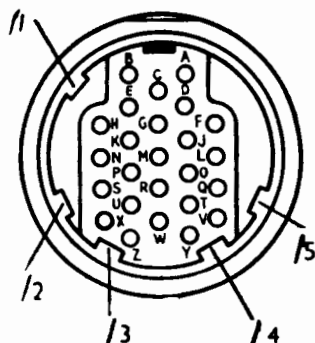
Tel. Crawley (0293) 28700 Telex 87131

SASCO

Tel. Glasgow (041-221) 6152 Telex 778841



25 CONTACT 5 AMP 250 VOLTS AC



SHELL
SIZE
GROUP **3** (LARGE)

Normal
508/1/

40216/52*	FREE SOCKET	40616/52*
40236/52*	FREE PLUG	40636/52*

Single piece
gasket
508/1/

Normal
508/1/

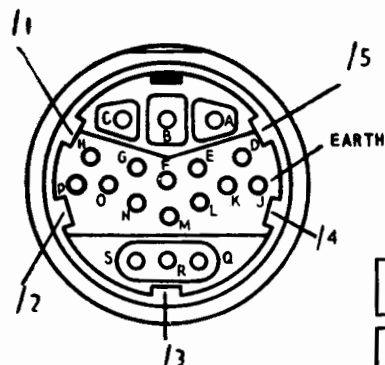
40276/52*	FIXED PLUG	40676/52*
40356/52*	FIXED COUPLER PLUG	40756/52*
40316/52*	FREE COUPLER PLUG	**

Single piece
gasket
508/1/

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	**

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



SHELL
SIZE
GROUP **3** (LARGE)

Normal
508/1/

40215/52*	FREE SOCKET	40615/52*
40235/52*	FREE PLUG	40635/52*

Single piece
gasket
508/1/

Normal
508/1/

40275/52*	FIXED PLUG	40675/52*
40355/52*	FIXED COUPLER PLUG	40755/52*
40315/52*	FREE COUPLER PLUG	**

Single piece
gasket
508/1/

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	**

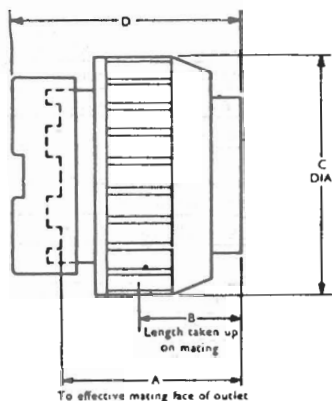
*3 contacts 2kV individually.
3 contacts 2kV collectively.

** 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.



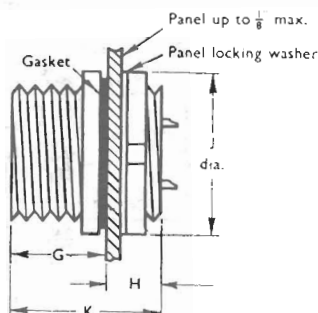
Dimensions and weights Aluminium Mark 4 Plugs and sockets

Free plugs and sockets

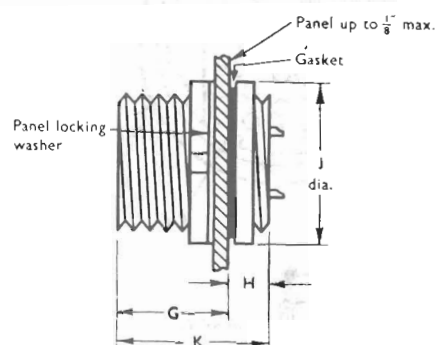


Fixed plugs and sockets

MOUNTED FROM FRONT OF PANEL



MOUNTED FROM REAR OF PANEL



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	2·3	2·1	3	1·03	·42	1·738	1·19
1-19 amp.							
2-60 amp. 250 V	2·15	2·3					
3-19 amp.							
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					

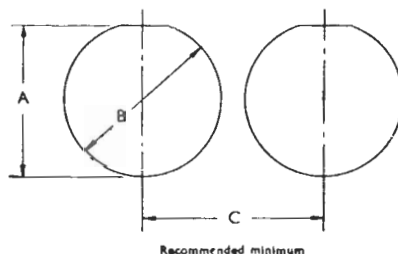
Fixed

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	2·5	2·3	3	·67	·349	1·718	1·019
1-19 amp.							
2-60 amp. 250 V	2·4	2·5					
3-19 amp.							
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



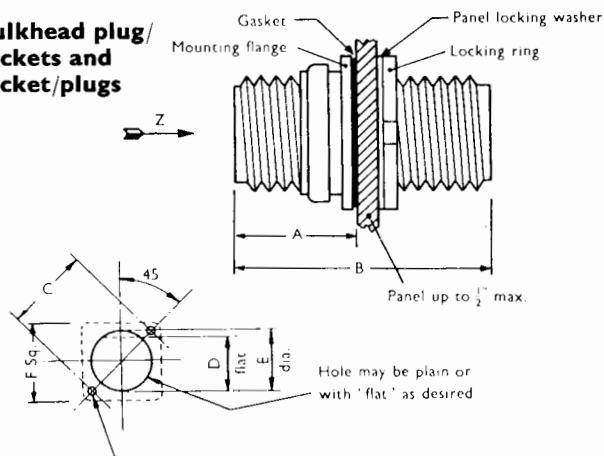
* Panel mounting washers are required where panel thickness is $\frac{1}{32}$ " or less.



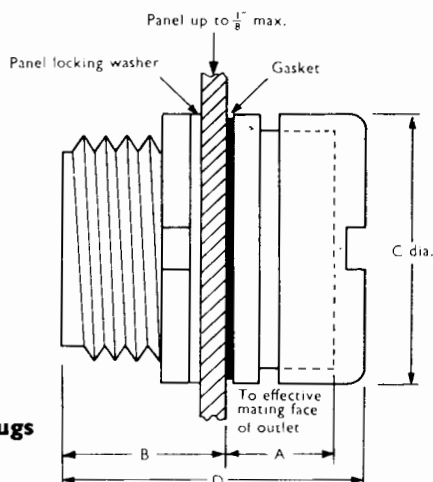
Contact Arrangement	Wt (oz.)	Shell size	A	B	C	D flat	E dia.	F sq.
2-19 amp. 250 V	1.8	1	.88	1.84	1.080	.811	.848	1.12
3-5 amp. 250 V	1.7				to	to	to	
4-5 amp. 250 V	1.7				1.085	.816	.853	
6-5 amp. 250 V	1.8							
4-19 amp. 250 V	2.5	2	.88	1.84	1.370	1.033	1.067	1.34
6-5 amp. 500 V	2.4				to	to	to	
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



MAY BE MOUNTED FROM THE REAR OF THE PANEL ONLY



Fixed 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					
12-5 amp. 250 V	1.9	1.9					
3-60 amp. 250 V	2.8	2.5	3	.36	.67	1.718	1.177
1-19 amp.							
2-60 amp. 250 V	2.7	2.7					
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					
25-5 amp. 250 V	2.5	2.7					

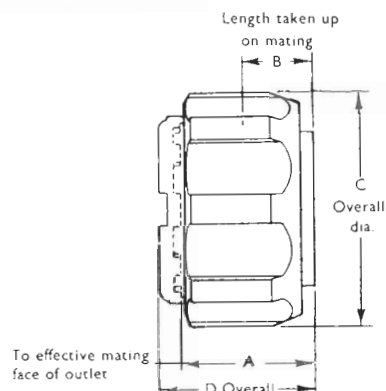
Free coupler plugs and sockets

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				
12-5 amp. 250 V	1.9	1.9				
3-60 amp. 250 V	2.6	2.3	3	1.03	1.177	.796
1-19 amp.						
2-60 amp. 250 V	2.5	2.5				
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				
25-5 amp. 250 V	2.5	2.7				



Dimensions and weights Brass Mark 4 Plugs and sockets

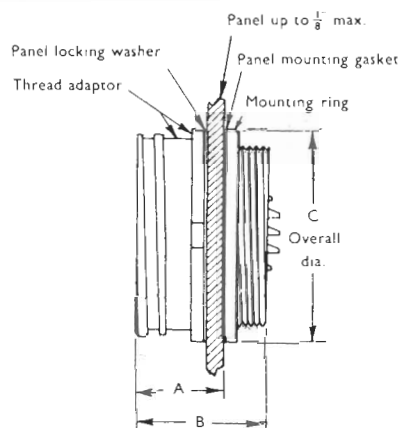
Free plugs and sockets



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	3	1.02	.42	1.92	1.19
12-5 amp. 250 V	3.4	3.4					
3-60 amp. } 250 V	5.8	5.5					
1-19 amp. }							
2-60 amp. } 250 V	5.6	5.7	3	1.02	.42	1.92	1.19
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	3	1.02	.42	1.92	1.19
18-5 amp. spec.	5.5	5.5					
25-5 amp. 250 V	5.6	5.6					

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.

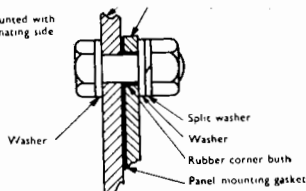
Use a panel mounting washer on panels up to $\frac{1}{8}$ " thick

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	3	.67	1.02	1.716
12-5 amp. 250 V	2.5	2.5				
3-60 amp. } 250 V	4.1	3.9				
1-19 amp. }						
2-60 amp. } 250 V	4.0	4.1	3	.67	1.02	1.716
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	3	.67	1.02	1.716
18-5 amp. spec.	3.9	3.9				
25-5 amp. 250 V	4.0	4.0				

(Square flange)

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

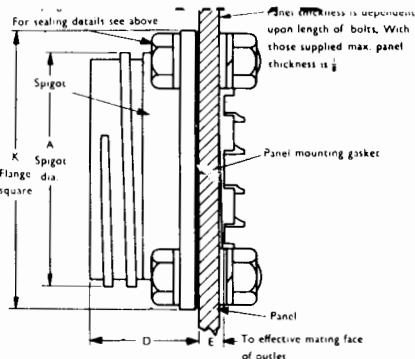
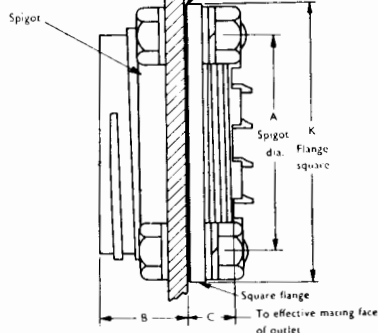
Bolts should be mounted with bolt heads on the mating side of plug or socket



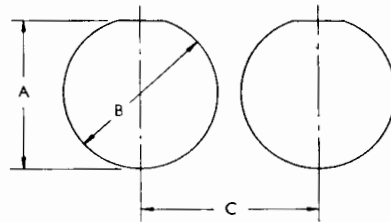
MOUNTED FROM REAR OF PANEL

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

For sealing details see above



Panel piercing details



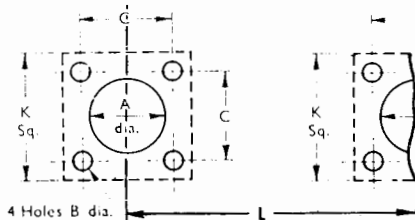
For fixed plugs or sockets (round flanges).

Recommended minimum

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	48A			
2	1.215	.191	1.235	1.65	1.71
	1.220	28A			
3	1.590	.191	1.515	1.92	2.19
	1.595	28A			

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								

Tel. Crawley (0293) 28700 Telex 87131

SASCO

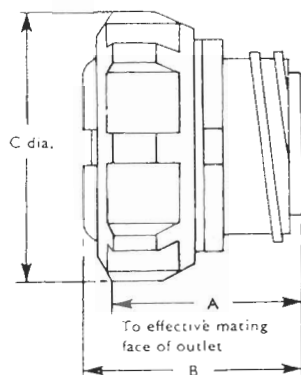
Tel. Glasgow (041-221) 6152 Telex 778841

375

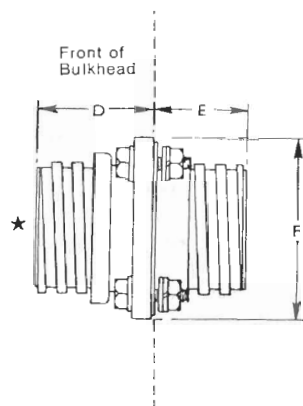


Dimensions Mark 4 Brass Plugs and sockets (cont.)

Free coupler plugs and sockets

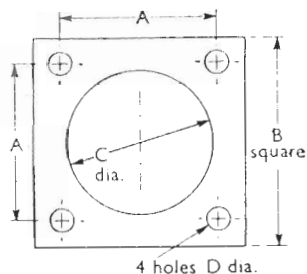


Bulkhead *plug/sockets and *socket/plugs



Panel piercing details

For bulkhead plug/sockets and socket/plugs



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	6.0				
6-19 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				

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.	12.6	12.4				
6-19 amp. 2.5 kV	12.1	12.2				
9-19 amp. 250 V	12.3	12.4				
18-5 amp. spec.	12.4	12.4				
25-5 amp. 250 V	12.4	12.4				
13-12 amp. 250 V	12.2	12.4				

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



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 Ω 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 Ω .

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.)

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.

	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

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



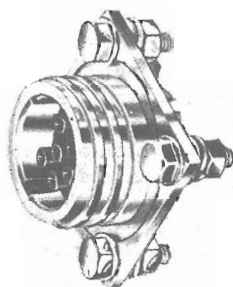
Free unit

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.



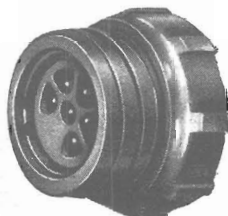
Fixed unit (round flange)

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 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

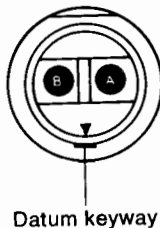


2 contact 35 A 250 V A.C.

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



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



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.

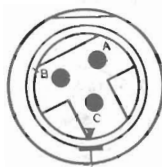


3 contact 19 A 2 kV A.C. (peak)

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

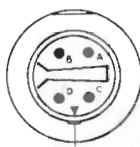
	Chloroprene	Fluorinated Silicone
Free Socket	508/1/07205/220	508/1/07205/320
Free Plug	508/1/07225/220	508/1/07225/320
Fixed Plug (Round Flange)	508/1/07345/220	508/1/07345/320
Fixed Plug (Square Flange)	508/1/07265/220	508/1/07265/320
Free Coupler Plug	508/1/07305/220	508/1/07305/320
Fixed Socket (Round 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

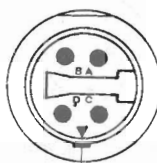
	Patt. 104 B4	Fluorinated Silicone
Free Socket	508/1/07202/220	508/1/07202/320
Free Plug	508/1/07222/220	508/1/07222/320
Fixed Plug (Round Flange)	508/1/07342/220	508/1/07342/320
Fixed Plug (Square Flange)	508/1/07262/220	508/1/07262/320
Free Coupler Plug	508/1/07302/220	508/1/07302/320
Fixed Socket (Round 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.

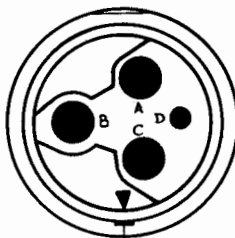


**3 contact 60 A 250 V A.C.
1 contact 19 A 250 V A.C.**

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

Shell size 3



Datum keyway

brass

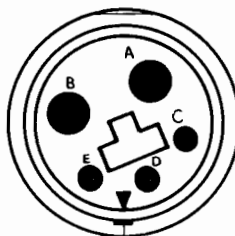
	Patt. 104 B4	Fluorinated Silicone
Free Socket	508/1/07210/220	508/1/07210/320
Free Plug	508/1/07230/220	508/1/07230/320
Fixed Plug (Round Flange)	508/1/07350/220	508/1/07350/320
Fixed Plug (Square Flange)	508/1/07270/220	508/1/07270/320
Free Coupler Plug	508/1/07310/220	508/1/07310/320
Fixed Socket (Round 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

Shell size 3



Datum keyway

brass

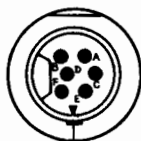
	Chloroprene	Fluorinated Silicone
Free Socket	508/1/07211/220	508/1/07211/320
Free Plug	508/1/07231/220	508/1/07231/320
Fixed Plug (Round Flange)	508/1/07351/220	508/1/07351/320
Fixed Plug (Square Flange)	508/1/07271/220	508/1/07271/320
Free Coupler Plug	508/1/07311/220	508/1/07311/320
Fixed Socket (Round 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
	-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

Shell size 1



Datum keyway

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.

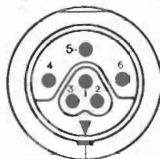


6 contact 5 A 500 V A.C. (peak)

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

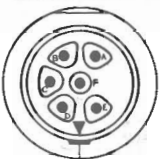
	Chloroprene	Fluorinated Silicone
Free Socket	508/1/07207/220	508/1/07207/320
Free Plug	508/1/07227/220	508/1/07227/320
Fixed Plug (Round Flange)	508/1/07347/220	508/1/07347/320
Fixed Plug (Square Flange)	508/1/07267/220	508/1/07267/320
Free Coupler Plug	508/1/07307/220	508/1/07307/320
Fixed Socket (Round 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

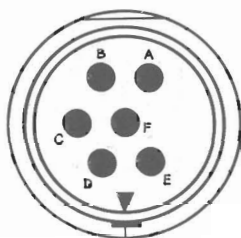
	Patt. 104 B4	Fluorinated Silicone
Free Socket	508/1/07208/220	508/1/07208/320
Free Plug	508/1/07228/220	508/1/07228/320
Fixed Plug (Round Flange)	508/1/07348/220	508/1/07348/320
Fixed Plug (Square Flange)	508/1/07268/220	508/1/07268/320
Free Coupler Plug	508/1/07308/220	508/1/07308/320
Fixed Socket (Round 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



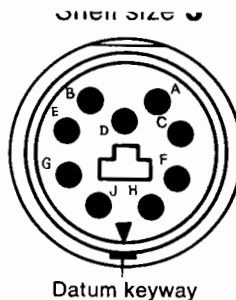
Datum keyway

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.

	Patt. 104 A4	Patt. 104 A5
Free Socket	508/1/07013/220	508/1/07013/320
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



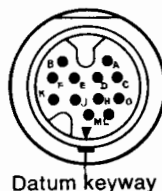
Free Socket	508/1/07213/220	508/1/07213/320
Free Plug	508/1/07233/220	508/1/07233/320
Fixed Plug (Round Flange)	508/1/07353/220	508/1/07353/320
Fixed Plug (Square Flange)	508/1/07273/220	508/1/07273/320
Free Coupler Plug	508/1/07313/220	508/1/07313/320
Fixed Socket (Round Flange)	508/1/07333/220	508/1/07333/320
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



brass

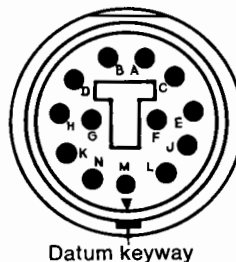
	Patt. 104 B4	Fluorinated Silicone
Free Socket	508/1/07209/220	508/1/07209/320
Free Plug	508/1/07229/220	508/1/07229/320
Fixed Plug (Round Flange)	508/1/07349/220	508/1/07349/320
Fixed Plug (Square Flange)	508/1/07269/220	508/1/07269/320
Free Coupler Plug	508/1/07309/220	508/1/07309/320
Fixed Socket (Round 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



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.



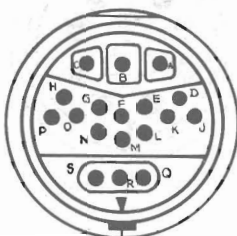
**Special 18 contact 5 A 6–2 kV* A.C. (peak)
12–250 kV „ „**

*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

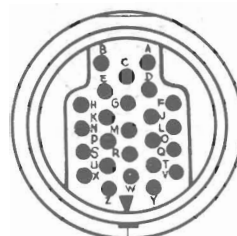
	Patt. 104 B4	Fluorinated Silicone
Free Socket	508/1/07215/220	508/1/07215/320
Free Plug	508/1/07235/220	508/1/07235/320
Fixed Plug (Round Flange)	508/1/07355/220	508/1/07355/320
Fixed Plug (Square Flange)	508/1/07275/220	508/1/07275/320
Free Coupler Plug	508/1/07315/220	508/1/07315/320
Fixed Socket (Round Flange)	508/1/07335/220	508/1/07335/320
Fixed Socket (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

25 contact 5 A 250 V A.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

Shell size 3



Datum keyway

brass

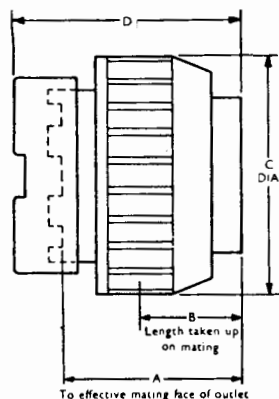
	Patt. 104 B4	Fluorinated Silicone
Free Socket	508/1/07216/220	508/1/07216/320
Free Plug	508/1/07236/220	508/1/07236/320
Fixed Plug (Round Flange)	508/1/07356/220	508/1/07356/320
Fixed Plug (Square Flange)	508/1/07276/220	508/1/07276/320
Free Coupler Plug	508/1/07316/220	508/1/07316/320
Fixed Socket (Round Flange)	508/1/07336/220	508/1/07336/320
Fixed Socket (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.

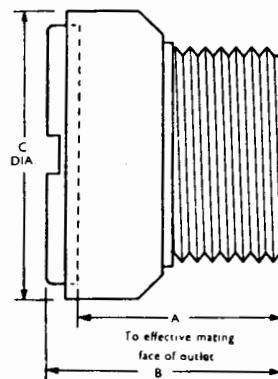


Dimensions and weights aluminium Mark 7 plugs and sockets

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	2.3	2.1	3	1.07	.41	1.76	1.25	1.4375
1-19 amp.								
2-60 amp. 250 V	2.15	2.3						
3-19 amp.								
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	2.6	2.3	3	1.07	1.24	1.76
1-19 amp.						
2-60 amp. 250 V	2.5	2.5				
3-19 amp.						
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.



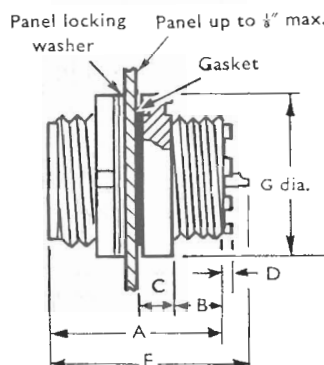
Fixed plugs and sockets

For panel piercing details see below.

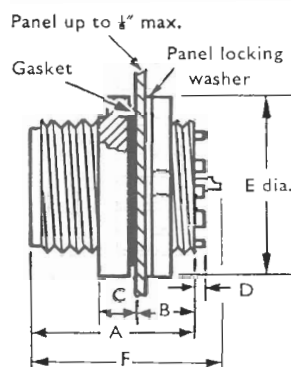
For tools required when mounting, see tool section.

Note: When mounted from the front of a panel, outlet fittings cannot be used.

MOUNTED FROM REAR OF PANEL



MOUNTED FROM FRONT OF PANEL



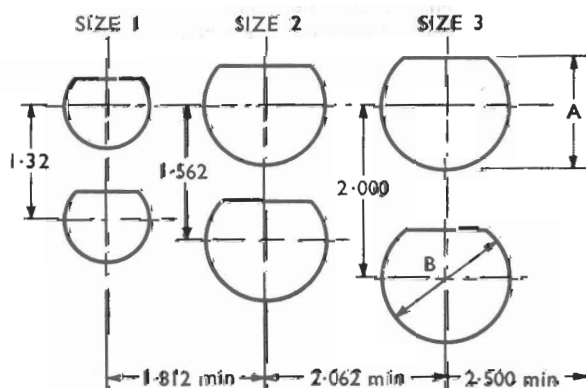
Shell Size	Contact Arrangement	Weight (oz.)		A	B min.	C min.	D	E dia. max.	F max.	G dia. max.
		Plug	Skt.							
1	2-19 amp. 250 V	.8	.8	.96	.240	.130	.045	1.13	1.08	1.15
	3-5 amp. 250 V	.8	.8							
	4-5 amp. 250 V	.8	.8							
	6-5 amp. 250 V	.9	.9							
2	2-35 amp. 250 V	1.3	1.2	.96	.240	.130	.045	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							
3	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	2.2							
	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*
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

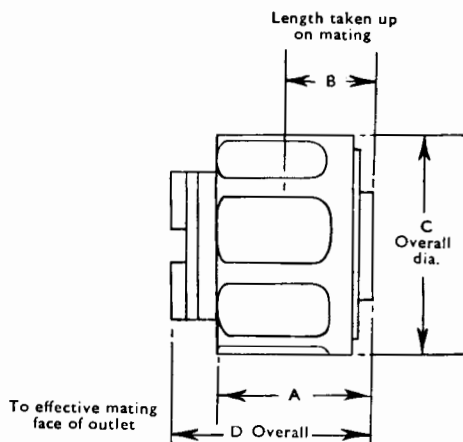
* Panel mounting washers are required where panel thickness is $\frac{1}{16}$ " or less





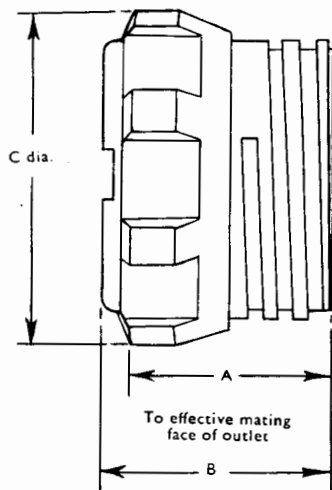
Dimensions and Weights—Brass Mark 7 plugs and sockets

Free plugs and sockets



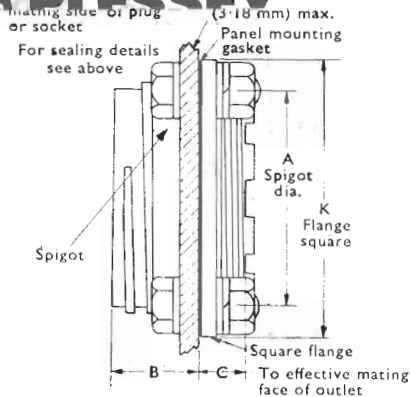
Contact Arrangement	Average Weight (oz.)		Shell Size	A	B	C dia.	D	Coupling Thread Dia. X 6 T.P.I. Modified Acme.
	Plug	Skt.						
2-19 amp. 250 V	2.5	2.5	1	.87	.29	1.25	1.02	.986 .990
3-5 amp. 250 V	2.5	2.5						
4-5 amp. 250 V	2.5	2.5						
6-5 amp. 250 V	2.6	2.6						
2-35 amp. 250 V	3.5	3.4	2	.87	.29	1.51	1.02	1.205 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 1.585
1-19 amp. }								
2-60 amp. } 250 V	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						

Free coupler plugs and sockets



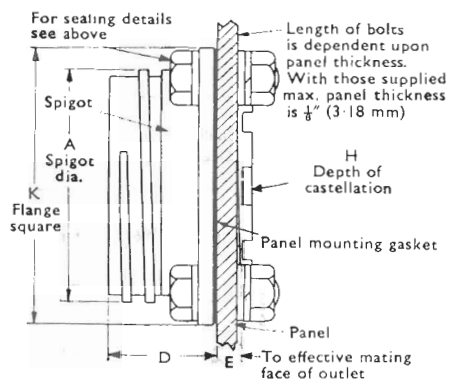
Contract Arrangement	Average Weight (oz.)		Shell Size	A	B	C dia.
	Plug	Skt.				
2-19 amp. 250 V	2.5	2.6	1	.96	1.11	1.25
3-5 amp. 250 V	2.6	2.6				
4-5 amp. 250 V	2.6	2.6				
6-5 amp. 250 V	2.7	2.7				
2-35 amp. 250 V	3.6	3.5	2	.96	1.11	1.51
3-19 amp. 2 kV	3.6	3.6				
4-19 amp. 250 V	3.6	3.6				
6-5 amp. 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.						
2-60 amp. 250 V	5.9	6.0				
3-19 amp.						
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.



MOUNTED FROM FRONT OF PANEL

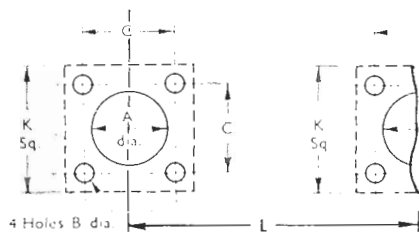
Bolts should be mounted with bolt heads on the mating side of plug or socket



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								
12-5 amp. 250 V	4.1	4.1								
3-60 amp. } 250 V	6.2	5.9	3	1.585	.61	.40	.77	.25	1.92	.060
1-19 amp. }										
2-60 amp. }	6.1	6.2								
3-19 amp. }										
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

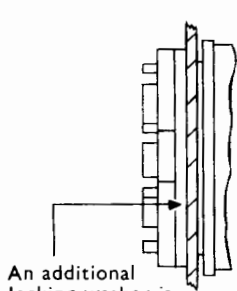
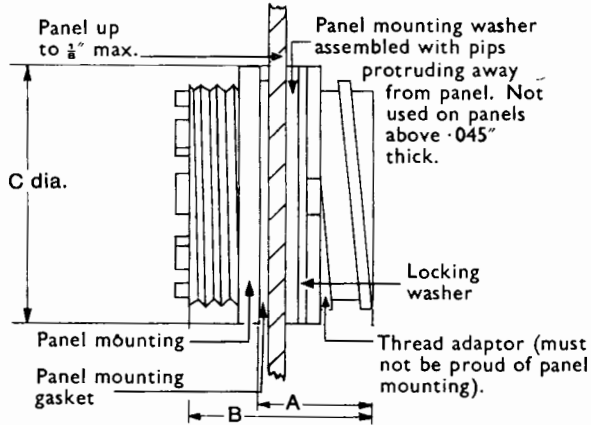
For fixed coupler plugs and sockets (square flange). The spigot on the shell is a sliding fit in hole 'A'. Minimum distance between centres of adjacent plugs or sockets is dimension 'L'.



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

NORMAL OUTLETS MAY BE USED



An additional locking washer is required for panels from .046" up to .084". Use between panel and locking ring.

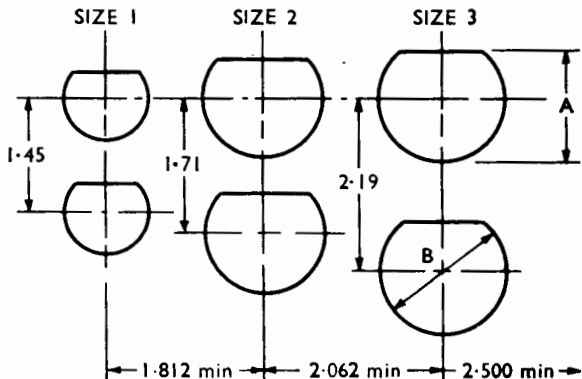


Alternatively for panels from .030" up to .045" use a panel mounting washer in between the panel and locking ring.

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

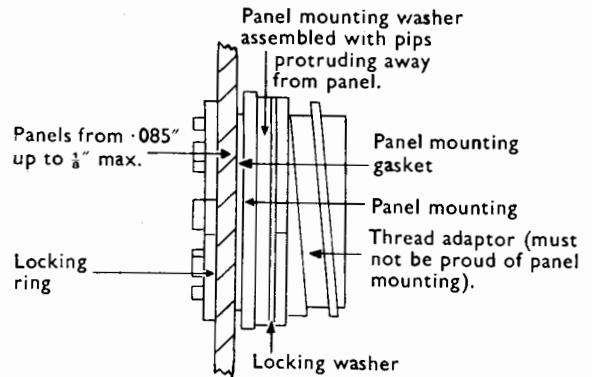
Panel Piercing Details

For fixed plugs or sockets (round flange)



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. } 250 V	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								

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 $\frac{1}{8}$ " or less.



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.

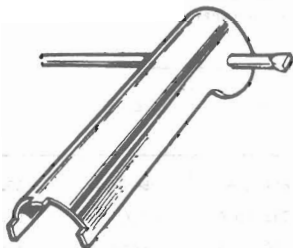
Sold as complete tool kit only

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-

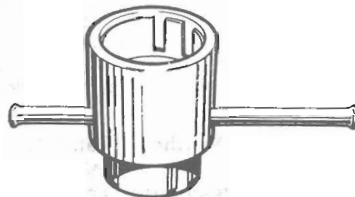


heads) to facilitate tightening of panel locking rings and outlet nuts in conjunction with bodyholder.

Bodyholder

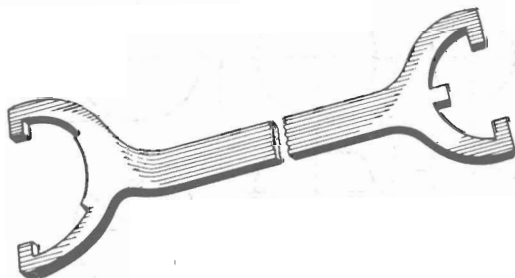
Female end locates on mating face of free units to provide hand grip whilst tightening outlet nut, union nut, or cable clamp with adjustable spanner.

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.

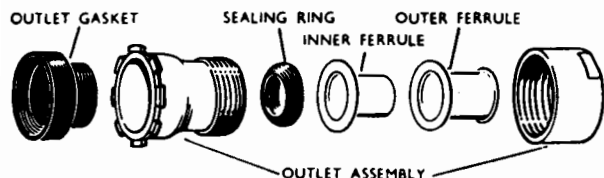


Outlet accessory sets Mk 4 and 7

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.

DEF10 Types B and Q Cable

Multicore cable with outer collective screen only (Vinmetsmall type)



Note: All rubber fittings are solvent resistant.

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

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

aluminium

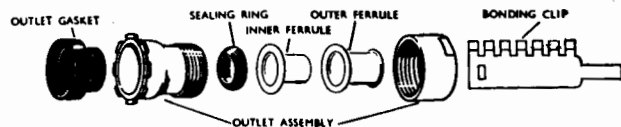
Shell Size	Cable O/D		Outlet Accessory Set with:		For outlet dims. see code:
	Min.	Max.	Straight Outlet	Rt. Angle Outlet	
1	.230	.310	508/1/02741/*01	508/1/02758/*01	a a b b
	.280	.370	508/1/02742/*01	508/1/02759/*01	
	.340	.370	508/1/02743/*01	508/1/02760/*01	
	.330 x .190	.410 x .270	508/1/02744/*01	508/1/02761/*01	
2	.230	.310	508/1/02745/*01	508/1/02762/*01	c c d e e f f
	.280	.370	508/1/02746/*01	508/1/02763/*01	
	.345	.400	508/1/02747/*01	508/1/02764/*01	
	.390	.460	508/1/02748/*01	508/1/02765/*01	
	.415	.465	508/1/02749/*01	508/1/02766/*01	
	.455	.480	508/1/02750/*01	508/1/02767/*01	
	.460	.530	508/1/02751/*01	508/1/02768/*01	
	.510	.540	508/1/02752/*01	508/1/02769/*01	
3	.530	.575	508/1/02753/*01	508/1/02770/*01	g g h h
	.460	.530	508/1/02754/*01	508/1/02771/*01	
	.510	.540	508/1/02755/*01	508/1/02772/*01	
	.530	.575	508/1/02756/*01	508/1/02773/*01	
3	.685	.760	508/1/02757/*01	508/1/02774/*01	g g h h
	.460	.530	508/1/02758/*01	508/1/02775/*01	
	.510	.540	508/1/02759/*01	508/1/02776/*01	
	.530	.575	508/1/02760/*01	508/1/02777/*01	

brass

1	.230	.310	508/1/02914/*01	508/1/02931/*01	a a b b
	.280	.370	508/1/02915/*01	508/1/02932/*01	
	.340	.370	508/1/02916/*01	508/1/02933/*01	
	.330 x .190	.410 x .270	508/1/02917/*01	508/1/02934/*01	
2	.230	.310	508/1/02918/*01	508/1/02935/*01	c c d e e f f
	.280	.370	508/1/02919/*01	508/1/02936/*01	
	.345	.400	508/1/02920/*01	508/1/02937/*01	
	.390	.460	508/1/02921/*01	508/1/02938/*01	
	.415	.465	508/1/02922/*01	508/1/02939/*01	
	.455	.480	508/1/02923/*01	508/1/02940/*01	
	.460	.530	508/1/02924/*01	508/1/02941/*01	
	.510	.540	508/1/02925/*01	508/1/02942/*01	
3	.530	.575	508/1/02926/*01	508/1/02943/*01	g g h h
	.460	.530	508/1/02927/*01	508/1/02944/*01	
	.510	.540	508/1/02928/*01	508/1/02945/*01	
	.530	.575	508/1/02929/*01	508/1/02946/*01	
3	.685	.760	508/1/02930/*01	508/1/02947/*01	g g h h
	.460	.530	508/1/02931/*01	508/1/02948/*01	
	.510	.540	508/1/02932/*01	508/1/02949/*01	
	.530	.575	508/1/02933/*01	508/1/02950/*01	

DEF10 Type H Cable

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



Note: All rubber fittings are solvent resistant.

*Note: suffix digit to be inserted to indicate temperature range required.
Mk. 7 { 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 f f
	.510	.540	508/1/02799/*01	508/1/02803/*01	
	.530	.575	508/1/02800/*01	508/1/02804/*01	
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 f f
	.510	.540	508/1/02973/*01	508/1/02977/*01	
	.530	.575	508/1/02974/*01	508/1/02978/*01	
3	.685	.760	508/1/02975/*01	508/1/02979/*01	h

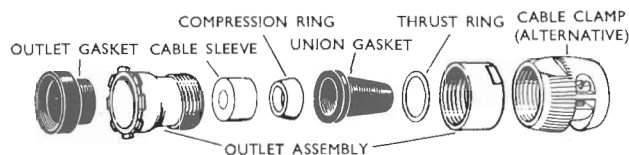


DEF10 Types D, E and F Cable

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.
Mk. 7 { T4= /2=chloroprene rubber items. T6= /3= Fluorinated silicone rubber items.

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

aluminium

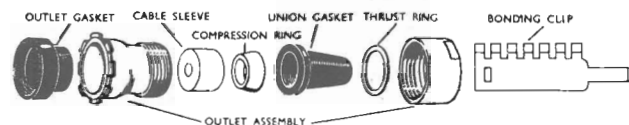
Shell Size	Cable O/D		Outlet Accessory Set (Clamp) with:		Outlet Accessory Set (union nut) with:		For outlet dims. see code:
	Min.	Max.	Straight Outlet	Rt. Angle Outlet	Straight Outlet	Rt. Angle Outlet	
1	.230	.350	508/1/13710/*01	508/1/13721/*01	508/1/02776/*01	508/1/02787/*01	a
	.310	.410	508/1/13711/*01	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.
Mk. 7 { T4= /2=chloroprene rubber items. T6= /3= Fluorinated silicone rubber items.

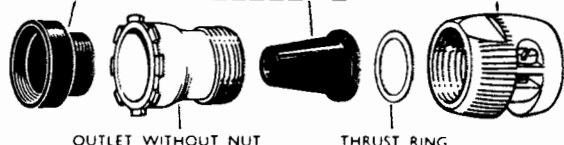
Suffix for Mk. 4/203 Aluminium, /205 Brass,

aluminium

2	.470	.530	508/1/02806/*01	508/1/02809/*01	f
	.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
	.525	.575	508/1/02981/*01	508/1/02984/*01	f
3	.690	.760	508/1/02982/*01	508/1/02985/*01	h



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

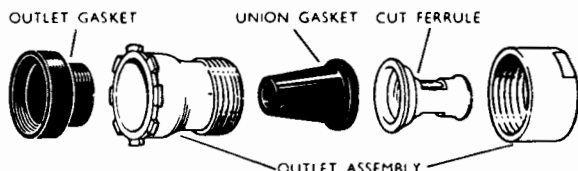
Shell Size	Cable O/D		Outlet Accessory Set with:		For outlet dims. see code:
	Min.	Max.	Straight Outlet	Rt. Angle Outlet	
1	.230	.360	508/1/02719/*01	508/1/02730/*01	a b b
	.295	.430	508/1/02720/*01	508/1/02731/*01	
	.340 x .200	.410 x .275	508/1/02721/*01	508/1/02732/*01	
2	.230	.360	508/1/02722/*01	508/1/02733/*01	c d e f 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 g 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 b 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 d e f 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 g 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.

*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

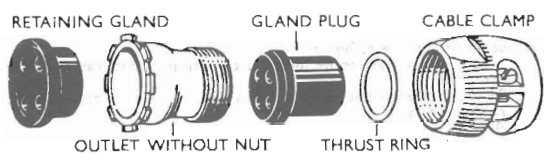
1	.230	.330	508/1/02699/*01	508/1/02709/*01	a b b
	.295	.385	508/1/02700/*01	508/1/02710/*01	
	.340 x .200	.380 x .240	508/1/02701/*01	508/1/02711/*01	
2	.230	.330	508/1/02702/*01	508/1/02712/*01	c d e f f
	.295	.420	508/1/02703/*01	508/1/02713/*01	
	.345	.460	508/1/02704/*01	508/1/02714/*01	
	.455	.490	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 h
	.690	.710	508/1/02708/*01	508/1/02718/*01	

brass

1	.230	.330	508/1/03008/*01	508/1/03018/*01	a b 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 d e f 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 i
	.690	.710	508/1/03017/*01	508/1/03027/*01	



Single Core Cable

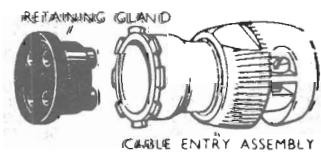


Note: All rubber fittings are solvent resistant.
Note: suffix digit to be inserted to indicate temperature range required.
Mk. 7 { T4 = /2 = chloroprene rubber items. T6 = /3 = Fluorinated silicone rubber items.
Suffix for Mk. 4/203 Aluminium, /205 Brass.

aluminium	Shell Size	Contact Arrangement to be used	Outlet Accessory Set with		For outlet dims. see code:
			Straight Outlet	Rt. Angle Outlet	
1		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
2		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	c
3		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. 2½ 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	1	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
	2	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
	3	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. 2½ 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

(Mk. 7 only)
†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.

Single core cable (Unipren type) Using a retaining gland

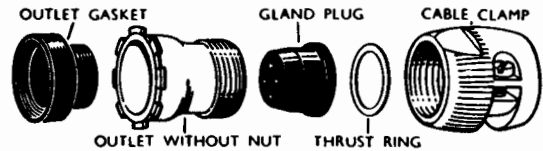


Aluminium					Brass				
1	2-19 amp. 250 V	508/1/02812/203	508/1/02825/203	a	1	2-19 amp. 250 V	508/1/03042/205	508/1/03055/205	a
	3-5 amp. 250 V	508/1/02813/203	508/1/02826/203	a		3-5 amp. 250 V	508/1/03043/205	508/1/03056/205	a
	4-5 amp. 250 V	508/1/02814/203	508/1/02827/203	a		4-5 amp. 250 V	508/1/03044/205	508/1/03057/205	a
	6-5 amp. 250 V	508/1/02815/203	508/1/02828/203	a		6-5 amp. 250 V	508/1/03045/205	508/1/03058/205	a
2	3-19 amp. 2 kV	508/1/02816/203	508/1/02829/203	d	2	3-19 amp. 2 kV	508/1/03046/205	508/1/03059/205	d
	4-19 amp. 250 V	508/1/02817/203	508/1/02830/203	d		4-19 amp. 250 V	508/1/03047/205	508/1/03060/205	d
	6-5 amp. 500 V	508/1/02818/203	508/1/02831/203	d		6-5 amp. 500 V	508/1/03048/205	508/1/03061/205	d
	6-5 amp. 2 kV	508/1/02819/203	508/1/02832/203	d		6-5 amp. 2 kV	508/1/03049/205	508/1/03062/205	d
	12-5 amp. 250 V	508/1/02820/203	508/1/02833/203	e		12-5 amp. 250 V	508/1/03050/205	508/1/03063/205	e
3	9-19 amp. 250 V	508/1/02822/203	508/1/02835/203	g	3	9-19 amp. 250 V	508/1/03051/205	508/1/03064/205	g
	18-5 amp. spec.	508/1/02823/203	508/1/02836/203	g		13-12 amp. 250 V	508/1/03052/205	508/1/03065/205	g
	25-5 amp. 250 V	508/1/02824/203	508/1/02837/203	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

Single core cable ((Unipren type) using a gland plug
 Mark 4 only

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	12-5 amp. 250 V	508/1/03070/203	508/1/03074/203	e
	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. 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	12-5 amp. 250 V	508/1/03031/205	508/1/03038/205	e
	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

Aluminium and brass cable entry fittings Mk 4 and 7

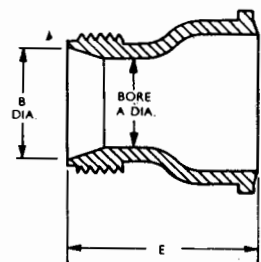
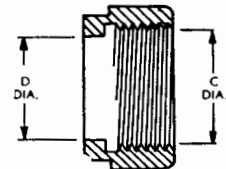
Individual fittings should only be ordered if no available outlet accessory set is available from those listed.

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 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		Dia.	T.P.I.
	Uniradio Metvin Coremetvin Corevin		Vinmet 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 †.360 x .220	.410 .410 x .275	.340 .330 x .190	.370 .410 x .270	.295 .340 x .200	.385 .410 x .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.



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
2	c	508/1/07623/001	·32	508/2/07641/001	508/2/07657/001
	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

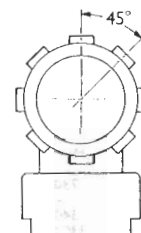
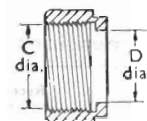
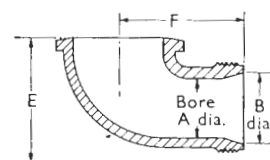
Outlet Assembly		Outlet assembly comprises:	
Part No.	Wt. oz.	Outlet	Union Nut
508/1/07663/001	·71	508/2/07681/001	508/2/07699/001
508/1/07664/001	·78	508/2/07682/001	508/2/07700/001
508/1/07665/001	·95	508/2/07683/001	508/2/07699/001
508/1/07666/001	·99	508/2/07684/001	508/2/07701/001
508/1/07667/001	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		
	Uniradio Metvin Coremetvin Corevin		Vinmet Corevinmet		Vin										
	Min.	Max.	Min.	Max.	Min.	Max.								Dia.	T.P.I.
1	.230	.355	.230	.355	.230	.360	a	.410	.493	.540	.470	.790	.840	.5937	26
	*.295 †.360 x .220	.410 .275	.340 .330 x .190	.370 .410 x .270	.295 .340 x .200	.385 .410 x .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

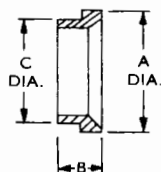
Aluminium

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

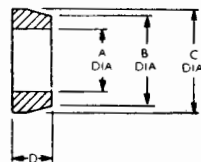
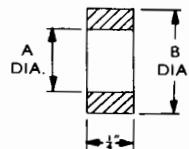
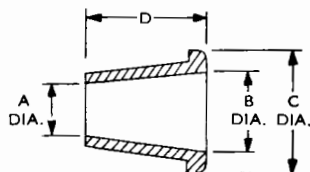
Brass

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.

**Outlet gasket
(rubber)**

**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.


**Cable sleeve
(Silicone sponge rubber)**

**Union gasket
(rubber)**


Connectors—Mk 4, Mk 7



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

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/*00 508/2/07710/*00	·362 ·335 x ·195	·484 ·445	·558 ·520	·205	15°
c	508/2/07708/*00	·200	·320	·485	·156	156 RAD
d	508/2/07709/*00	·362	·484	·558	·205	15°
e	508/2/07709/*00 For cable O/D ·345—·465 508/2/07711/*00 For cable O/D ·455—·480	·362 ·400	·484 ·491	·558 ·533	·205	15°
f	508/2/07712/*00 For cable O/D ·460—·550 508/2/07713/*00 For cable O/D ·515—·575	·440 ·500	·640 ·640	·715 ·715	·205	15°
g	508/2/07712/*00 For cable O/D ·460—·550 508/2/07713/*00 For cable O/D ·515—·575	·440 ·500	·640 ·640	·715 ·715	·205	15°
hi	508/2/07714/*00	·665	·805	·890	·205	15°

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

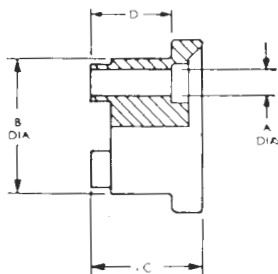
Code	Part Number	A dia.	B dia.	C dia.	D
a	508/2/07719/*00	·218	·345	·535	1 1/2"
b	508/2/07720/*00 508/2/07721/*00	·275 ·340 x ·200	·430 ·400 x ·260	·625 ·580	1 1/2"
c	508/2/07719/*00	·218	·345	·535	1 1/2"
d	508/2/07720/*00	·275	·430	·625	1 1/2"
e	508/2/07722/*00	·315	·477	·672	1 1/2"
f	508/2/07723/*00 For cable O/D ·470—·530 or ·455—·490 (Vin type cable only) 508/2/07724/*00 For cable O/D ·525—·575 or ·490—·510 (Vin type cable only)	·440 ·500	·505 ·565	·780	2"
g	508/2/07723/*00 For cable O/D ·470—·530 or ·470—·540 (Vin type cable only) 508/2/07724/*00 For cable O/D ·525—·575 or ·525—·560 (Vin type cable only)	·440 ·500	·505 ·565	·780	2"
hi	508/2/07725/*00	·670	·735	·984	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.

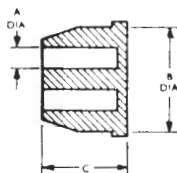
T4=2=Chloroprene rubber items. T6=3=Fluorinated silicone rubber items.

Retaining Gland (Rubber) (Mk 4 only)



Code	Part No. 508/2/	Use with contact arrangement:	No. and dia. A of holes	B 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
	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
ef	07734/200	12-5 amp. 250 V	13 x .080	.693	.503	.353
	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
ghi	07738/200	13-12 amp. 250 V	13 x .120	1.130	.573	.423

Gland Plug (Rubber) Mk 4 only



Code	Part No. 508/2/	Use with contact arrangement:	No. and dia. A of holes	B 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
	07741/200*	3-19 amp. 2 kV	4 x .130	.595	.424
e	07742/200*	4-19 amp. 250 V	12 x .090	.595	.424
		6-5 amp. 500 V			
		6-5 amp. 2 kV			
		12-5 amp. 250 V			
hi	07743/200*	6-19 amp. 2.5 kV	9 x .130	.875	.424
	07744/200	9-19 amp. 250 V			
		3-60 amp. 250 V			
		1-19 amp. 250 V			
	07746/200	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.

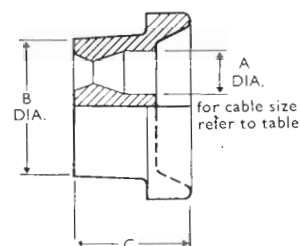
19 amp. holes accept cable .086" diameter to .155" diameter.

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.

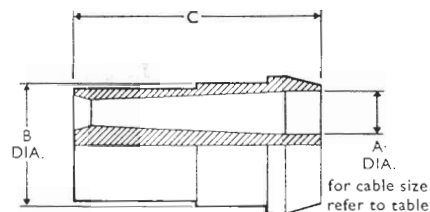


Code	Part Number	Use with contact arrangement	A	B	C
a	508/2/12013/300	2-19 amp. 250 V	see note below	.525	.41
	508/2/12014/30*	3-5 amp. 250 V		.525	.41
	508/2/12015/30*	4-5 amp. 250 V		.525	.41
	508/2/12016/30*	6-5 amp. 250 V		.525	.41
c	508/2/12017/300	2-35 amp. 250 V	see note below	.705	.41
	508/2/12018/300	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
f	508/2/12021/30*	6-5 amp. 2 kV	see note below	.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
				1.073	.41

Gland Plug (Rubber)

Green fluorinated silicone rubber-solvent resistant.

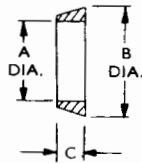
Mk 7 only



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	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
	508/2/12037/30*	6-5 amp. 500 V		.425	.88
f	508/2/12038/30*	6-5 amp. 2kV	see note below	.425	.88
	508/2/12039/30*	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
				.825	1.00

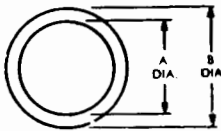


Compression Ring (Brass) Mk 4 and Mk 7



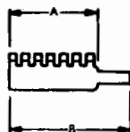
Code	Part Number	A dia.	B dia.	C
a	508/2/07746/009	.353	.465	.138
b	508/2/07747/009	.408	.520	.138
c	508/2/07746/009	.353	.465	.138
d	508/2/07748/009	.438	.549	.138
e	508/2/07749/009	.478	.589	.138
f	508/2/07750/009	.573	.706	.179
g	508/2/07750/009	.573	.706	.179
hi	508/2/07751/009	.743	0.88	.179

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



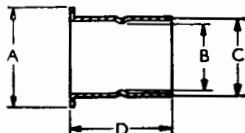
Code	Part Number	A dia	B dia
a	508/2/07752/007	.442	.538
b	508/2/07753/007	.498	.583
c	508/2/07754/007	.510 x .375	.583
d	508/2/07752/007	.442	.538
	508/2/07755/007 Has skirt .250 wide, cannot be used with clamp	.520	.632
	508/2/07756/007	.517	.632
e	508/2/07757/007	.564	.677
f	508/2/07758/007	.668	.787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

Bonding Clip (Brass)
Mk 4 and Mk 7



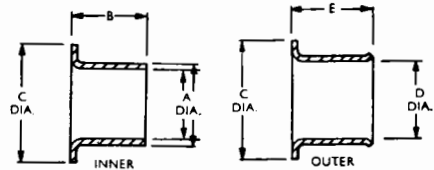
Code	Part Number	A	B	No. of Tags
f	508/2/07760/009	1.165	2.09	4
h	508/2/07761/009	1.765	2.61	7

Conduit Ferrules
(Brass)



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

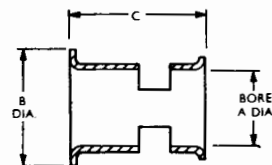
Inner and Outer Ferrules (Brass) Mk 4 and Mk 7



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	508/2/07842/009	.250	.290	.360	.537	.314	.420
	508/2/07825/009	508/2/07843/009	.315	.355	.360	.537	.379	.420
* b	508/2/07826/009	508/2/07844/009	.150	.206	.370	.560	.230	.420
	508/2/07827/009	508/2/07845/009	.190	.246	.370	.560	.270	.420
	508/2/07828/009	508/2/07846/009	.290	.346	.400	.560	.370	.450
	508/2/07829/009	508/2/07847/009	.330	.386	.400	.560	.410	.450
* c	508/2/07830/009	508/2/07848/009	.284 x .184	.340 x .240	.400	.560	.365 x .263	.450
	508/2/07831/009	508/2/07849/009	.370 x .230	.410 x .270	.360	.582	.434 x .294	.430
c	508/2/07824/009	508/2/07842/009	.250	.290	.360	.537	.314	.420
	508/2/07825/009	508/2/07843/009	.315	.355	.360	.537	.378	.420
d *	508/2/07832/009	508/2/07850/009	.347	.375	.250	.628	.406	.250
	508/2/07833/009	508/2/07851/009	.400	.440	.360	.632	.464	.420
e	508/2/07834/009	508/2/07852/009	.360	.416	.400	.680	.440	.450
	508/2/07835/009	508/2/07853/009	.440	.480	.360	.678	.504	.420
f	508/2/07836/009	508/2/07854/009	.475	.515	.360	.782	.539	.420
	508/2/07837/009	508/2/07855/009	.535	.575	.360	.782	.599	.420
g	508/2/07836/009	508/2/07854/009	.475	.515	.360	.782	.539	.420
	508/2/07837/009	508/2/07855/009	.535	.575	.360	.782	.599	.420
* h	508/2/07838/009	508/2/07856/009	.581	.625	.360	.990	.656	.360
	508/2/07839/009	508/2/07857/009	.610	.666	.500	.980	.690	.550
	508/2/07840/009	508/2/07858/009	.690	.746	.500	.980	.770	.550
i	508/2/07841/009	508/2/07859/009	.700	.740	.360	.984	.764	.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

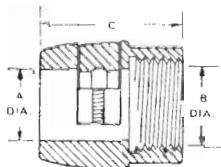


Code	Part Number	Bore A dia.	B dia.	C
a	508/2/07860/009	.150	.538	.370
	508/2/07861/009	.328	.538	.550
b	508/2/07862/009	.187	.560	.550
	508/2/07863/009	.218	.560	.550
	508/2/07864/009	.281	.560	.550
	508/2/07865/009	.328	.560	.550
	508/2/07866/009	.375	.560	.550
	508/2/07867/009	.406	.560	.550
	508/2/07868/009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



Cable Clamp Mk 4 & Mk 7

When using cable clamps, the union nut normally supplied with 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	508/1/07778/001	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	1000	508/1/07766/001	508/1/07773/001
g	508/1/07780/001	56	670	358	790	1000	508/1/07767/001	508/1/07774/001
h	508/1/07781/001	74	845	471	995	1062	508/1/07768/001*1	508/1/07775/001*1
i	508/1/07781/001	74	845	471	995	1062	508/1/07768/001*1	508/1/07775/001*1

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

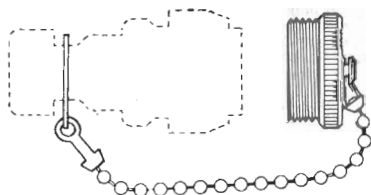
† /001—Mk 7 only. /003—Mk 4 Aluminium. /005—Mk 4 Brass.

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	111	515	203	585	937
c	508/1/07782/001	70	453	173	540	937
d	508/1/07784/001	111	515	203	635	937
e	508/1/07785/001	122	555	243	680	937
f	508/1/07786/001	177	670	358	790	1000
g	508/1/07786/001	177	670	358	790	1000
h	508/1/07787/001	220	845	471	995	1062
i	508/1/07787/001	220	845	471	995	1062

Protective Caps—Aluminium range

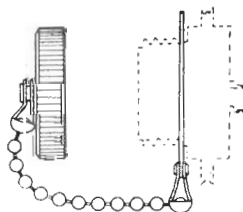
For free plugs or sockets.



Protective cap assembly complete

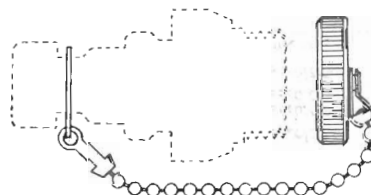
Code	Part Number †
ab	508/1/03437/001
cd	508/1/03438/001
ef	508/1/03439/001
g	508/1/03440/001
hi	508/1/03441/001

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



Shell size	Protective cap assembly complete
	Part Number †
11	508/1/03442/001
2	508/1/03443/001
3	508/1/03444/001

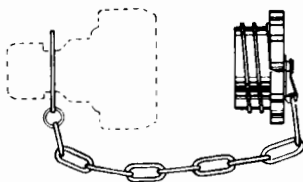
For free coupler plugs or sockets.



Protective cap assembly complete

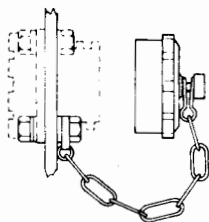
Code	Part Number †
ab	508/1/03452/001
cd	508/1/03453/001
ef	508/1/03454/001
g	508/1/03455/001
hi	508/1/03456/001

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



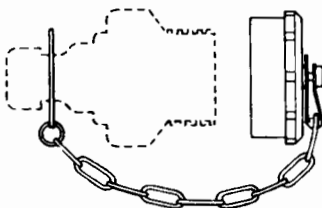
Polythene cap only	Code	Protective cap assembly complete	
		Part Number †	
Part Number		Polythene	Brass
508/2/41172	ab	508/1/41150/001	508/1/04111/001
508/2/41173	cd	508/1/41153/001	508/1/04112/001
	ef	508/1/41151/001	508/1/04113/001
508/2/41174	g	508/1/41154/001	508/1/04114/001
	hi	508/1/41152/001	508/1/04115/001

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.



Multicon plugs and sockets

The Painton Multicon range of plugs and sockets is Post Office approved and consists of 2, 4, 6, 8, 10, 12, 18, 24 and 33 pole sizes.

Electrical contact is provided by a heavily silver plated plug blade engaging with a similar socket clip, each clip having four individual contact areas to ensure absolute reliability. Any possibility of free moisture remaining between the plug and socket face is prevented by spacers moulded onto the plug body keeping the mating faces slightly apart when the plugs and sockets are fully engaged.

Connectors are finished in silver grey hammer finish and are basically interchangeable with the Painton Standard range with the exception of the 6 pole size and the 10-in-line unit.

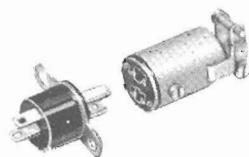
The terminal numbering is moulded into both the plug and socket bodies and appears in proximity to the appropriate soldering tag and on the mating face.

This facilitates wiring and enables complete cable forms to be tested prior to inclusion in equipments without removing the plug or socket covers.

Specification

Ambient temperature range	-40 °C to +100 °C
Humidity classification	H5 (DEF-5011)
Voltage rating	500 V D.C. or A.C. peak (tropical conditions) 1000V D.C. or A.C. peak (temperate conditions)
Current rating	5 amps D.C. or A.C. r.m.s. per contact at 70 °C 2 amps D.C. or A.C. r.m.s. per contact at 100 °C
Proof voltage	2500V D.C. or A.C. peak between contacts 3000V D.C. or A.C. peak between contacts and flange 3000V D.C. or A.C. peak between contacts and cover
Contact resistance	2 mΩ (-002 Ω) average 2.5 mΩ (-0025 Ω) maximum

Multicon range 2 poles

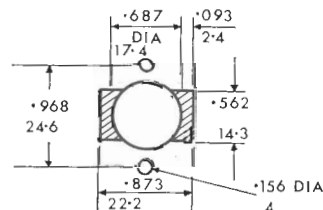
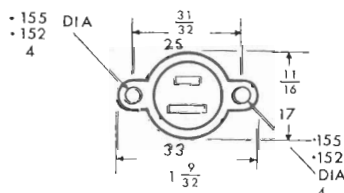
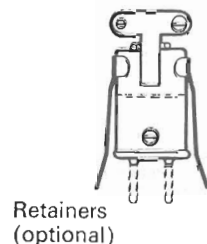
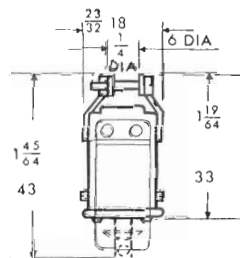
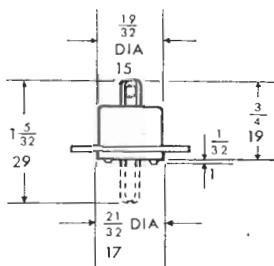


Cable diameter

Max.	$\frac{1}{4}$	6
Min.	$\frac{3}{16}$	5



View looking on plug solder tags and socket face



Panel cut-out. Shaded area needed only when retainers fitted.

DESCRIPTION	Ordering Code	Cat. No.
PLUGS FOR PANEL OR CHASSIS MOUNTING		
Side fixing mounting flange J.S. No. 5935-99-972-8221	P2/MFS	313261
PLUGS FOR CABLE TERMINATION		
Cable entry top cover	P2/CT	313260
Cable entry top cover with retainers	P2/CT/R2E	313600
SOCKETS FOR PANEL OR CHASSIS MOUNTING		
Side fixing mounting flange J.S. No. 5935-99-972-8229	S2/MFS	313263
SOCKETS FOR CABLE TERMINATION		
Cable entry top cover	S2/CT	313262
Cable entry top cover with retainers	S2/CT/R2E	313603