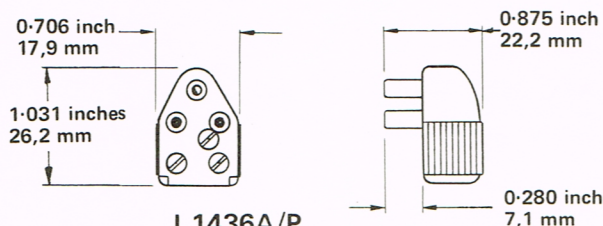
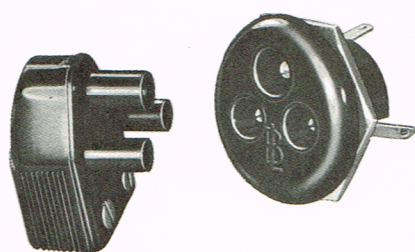


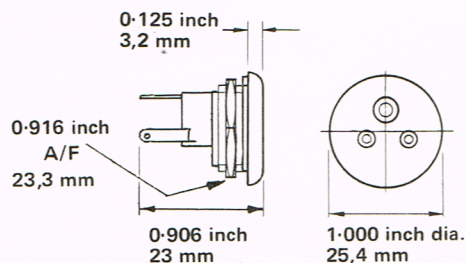
## 3 - Pole miniature mains connector

L1436A/P Free connector

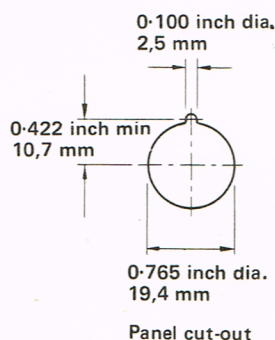
L1436B/S Fixed connector



L1436A/P



L1436B/S



Panel cut-out

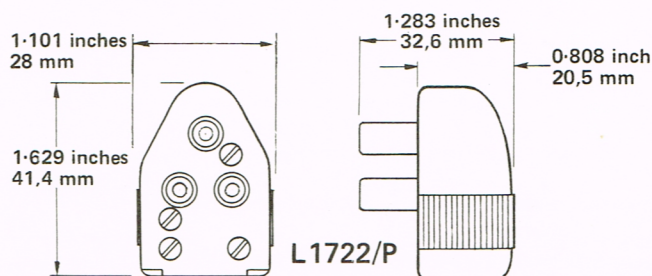
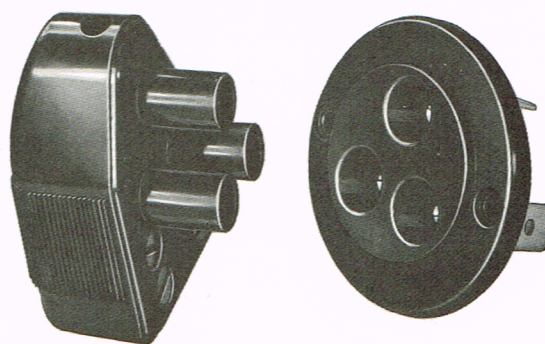
This miniature 3-pole mains connector combines modern styling and compact design with safety, pins and sockets being fully shrouded and finger proof. Single hole fixing requires only one nut, a spigot preventing rotation of the socket. An inspection knock-out is provided in the plug cover to allow instant inspection of the earth wire connection.

|                                              |                                                                                                 |
|----------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Current rating:</b>                       | 3 A a.c./d.c. for $< 5^{\circ}\text{C}$ temperature rise                                        |
| <b>Current breaking:</b>                     | Satisfactory to BS 546 at 3.9 A                                                                 |
| <b>Breakdown (d.c.):</b>                     | $> 5.5\text{ kV}$                                                                               |
| <b>Insulation resistance:</b>                | $> 5 \times 10^3$ megohms                                                                       |
| <b>Contact resistance (maximum):</b>         | 5 milliohms per pole                                                                            |
| <b>Humidity:</b>                             | A 4 (BS 2011)                                                                                   |
| <b>Temperature range:</b>                    | $-25^{\circ}\text{C}$ to $+70^{\circ}\text{C}$ (Ambient)                                        |
| <b>Insertion/withdrawal force (Maximum):</b> | 8 lbf 35 N                                                                                      |
| <b>Cable size (overall maximum):</b>         | 0.291 inch 7.4 mm                                                                               |
| <b>Fixing torque:</b>                        | 50 - 200 ozf inch 1.4 - 0.35 N m                                                                |
| <b>Terminations:</b>                         | Plug, screws, Socket, solder or solderless snap-on connectors, 0.110 x 0.020 inch 2.8 x 0.51 mm |
| <b>Panel thickness:</b>                      | 0.094 - 0.188 inch 4.8 - 2.4 mm                                                                 |
| <b>Materials:</b>                            | Contacts — silver-plated brass<br>Insulants — plug, nylon;<br>— socket, phenolic resin          |
| <b>Weights (average):</b>                    | Plug 5.2 g 0.18 oz<br>Socket 7.3 g 0.25 oz                                                      |

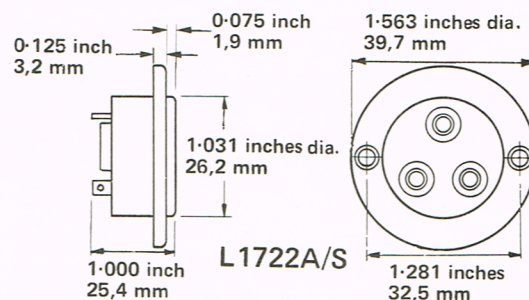
## 3 - Pole mains connector

L1722/P Free connector

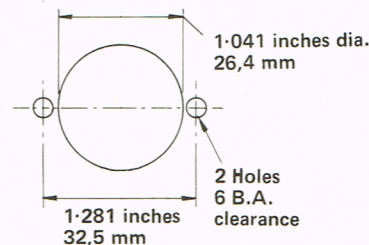
L1722A/S Fixed connector



L1722/P



L1722A/S



Panel cut-out

This connector is a larger version of the L1436 described opposite. The plug cover retaining screws fit into threaded metal inserts, and the shallow depth socket can be front or rear panel mounting. An inspection port is provided in the plug cover to allow instant inspection of the earth wire connection.

|                                              |                                                                                                                         |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Current rating:</b>                       | 10 A a.c./d.c. for $< 15^{\circ}\text{C}$ temperature rise                                                              |
| <b>Current breaking:</b>                     | Satisfactory to BS 546 at 13 A                                                                                          |
| <b>Breakdown (d.c.):</b>                     | $> 6\text{ kV}$                                                                                                         |
| <b>Insulation resistance:</b>                | $> 5 \times 10^3$ megohms                                                                                               |
| <b>Contact resistance (maximum):</b>         | 5 milliohms per pole                                                                                                    |
| <b>Humidity:</b>                             | A4 (BS 2011)                                                                                                            |
| <b>Temperature range:</b>                    | $-10^{\circ}\text{C}$ to $+55^{\circ}\text{C}$ (Ambient)                                                                |
| <b>Insertion/withdrawal force (maximum):</b> | 11 lbf 50 N insertion<br>15 lbf 67 N withdrawal                                                                         |
| <b>Cable size (overall maximum):</b>         | 0.375 inch 9.5 mm                                                                                                       |
| <b>Terminations:</b>                         | Plug, screws, socket, solder or solderless snap-on connectors, 0.250 x 0.032 inch 6.3 x 0.81 mm                         |
| <b>Materials:</b>                            | Contacts — plug, nickel-plated brass<br>Sockets — silver-plated brass<br>Insulants — plug, nylon; socket phenolic resin |
| <b>Weights (average):</b>                    | Plug 20.5 g 0.72 oz<br>Socket 15.1 g 0.53 oz                                                                            |