

# SubConn® Micro Circular Double O-ring

## 2, 3, 4, 5, 6 and 8 contacts and G2 2, 3 and 4 contacts

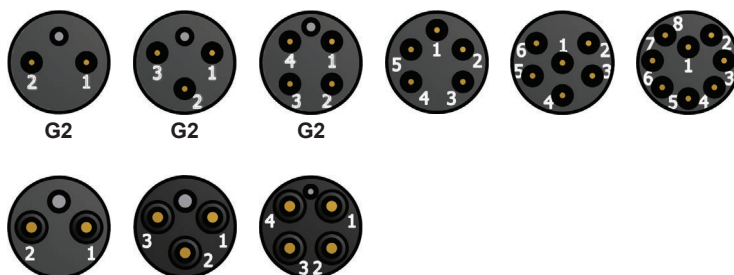
### Connector specifications

|                                                 |                                           |
|-------------------------------------------------|-------------------------------------------|
| Voltage rating                                  | 300 V DC/AC rms                           |
| 2, 3 and 4 contacts current rating              | 10 A per contact (max 20 A per connector) |
| 5, 6 and 8 contacts current rating              | 5 A per contact (max 20 A per connector)  |
| G2 2, 3 and 4 contacts connector current rating | 5 A per contact (max 20 A per connector)  |
| Insulation resistance                           | > 200 Mohm                                |
| Contact resistance                              | < 0.01 ohm                                |
| Wet matings                                     | > 500 (open face rated)                   |
| Temperature rating (water)                      | - 4 to 60°C, 25 to 140°F                  |
| Temperature rating (air)                        | - 40 to 60°C, - 40 to 140°F               |
| Storage temperature rating                      | - 40 to 60°C, - 40 to 140°F               |
| Qualified pressure tested                       | 800 bar, 11,600 psi                       |
| Depth rating PEEK                               | 300 bar, 4,350 psi                        |

### Material specifications

|                                                    |                                                |
|----------------------------------------------------|------------------------------------------------|
| Connector body                                     | Chloroprene rubber                             |
| Bulkhead body with 20 mm hex flats                 | Brass, titanium or anodised aluminium          |
| Bulkhead body with 22 mm hex flats                 | Anodised aluminium or stainless steel          |
| Bulkhead RA body                                   | Aluminium or titanium                          |
| 2, 3 and 4 contacts                                | Gold plated brass UNS - C36000                 |
| 5, 6, 8 contacts and G2 2, 3 and 4 contacts        | Female sockets in gold plated brass UNS C36000 |
|                                                    | Male pins in gold plated beryllium copper      |
| Location pin                                       | Stainless steel AISI 303                       |
| O-rings                                            | Nitrile                                        |
| Locking sleeves                                    | ABS or stainless steel                         |
| Snap rings                                         | Stainless steel AISI 302                       |
| 2, 3 and 4 contact bulkhead leads (1 ft, 30 cm)    | 20 AWG, 0.52 mm <sup>2</sup> coloured PTFE     |
| 5, 6 and 8 contact bulkhead leads (1 ft, 30 cm)    | 22 AWG, 0.33 mm <sup>2</sup> coloured PTFE     |
| G2 2, 3 and contact 4 bulkhead leads (1 ft, 30 cm) | 20 AWG, 0.52 mm <sup>2</sup> coloured PTFE     |

### Face view (male)



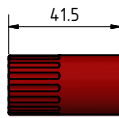
For more information  
see page 26/27

MCIL2M  
MCOM2M  
MCPB0F2M  
MDC2M

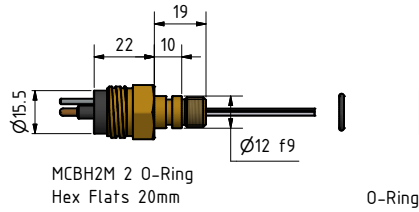
For more information  
see page 26/27

MCIL2F  
MCOM2F  
MCPB0F2F  
MDC2F

MCDLS Snap Ring



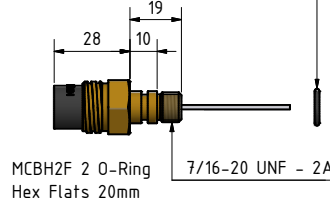
MCDLS-F



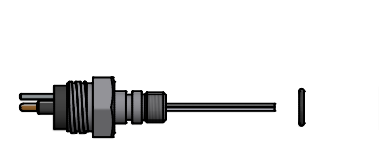
MCBH2M 2 O-Ring  
Hex Flats 20mm

O-Ring  
ø9.25 x 1.78  
(2-012)

O-Ring  
ø13.34 x 1.8  
(5-1014)



MCBH2F 2 O-Ring  
Hex Flats 20mm

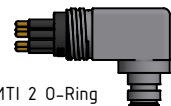


MCBH2MSS 2 O-Ring  
Hex Flats 22mm



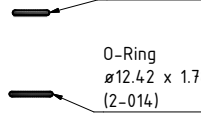
MCBH2FSS 2 O-Ring  
Hex Flats 22mm

MCBHRA8MTI 2 O-Ring



O-Ring  
ø9.25 x 1.78  
(2-012)

O-Ring  
ø12.42 x 1.78  
(2-014)



## Drawing information

Dimensions in mm (1 mm = 0.03937 inch)  
Threads in inches (1 inch = 25.4 mm)

