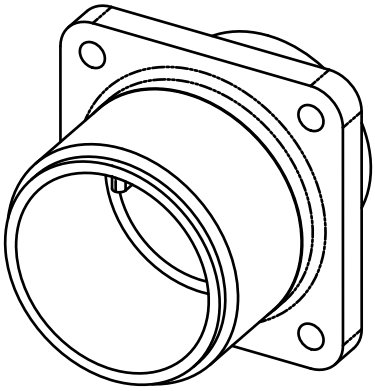
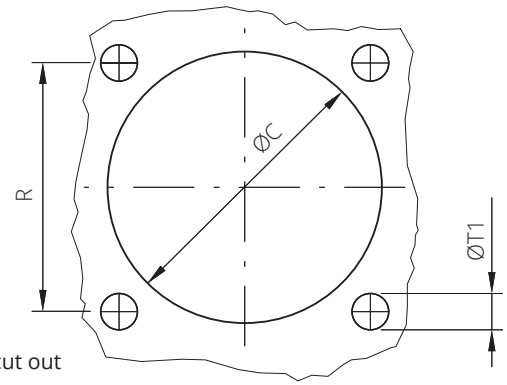
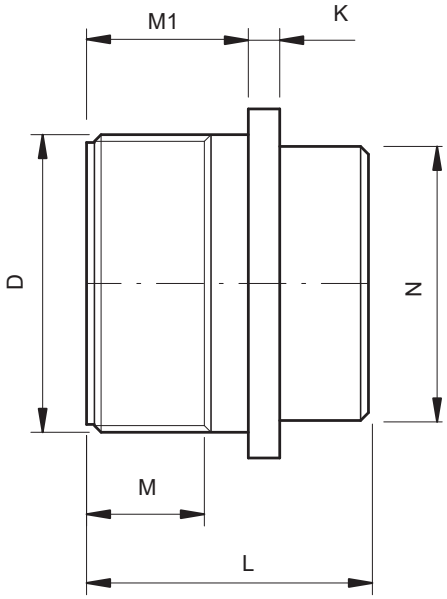
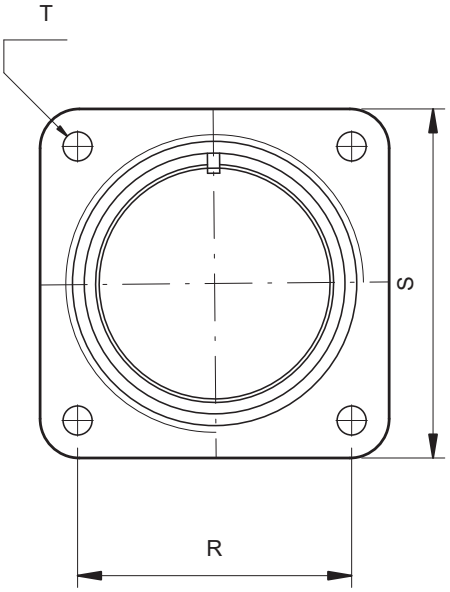





Panel cut out



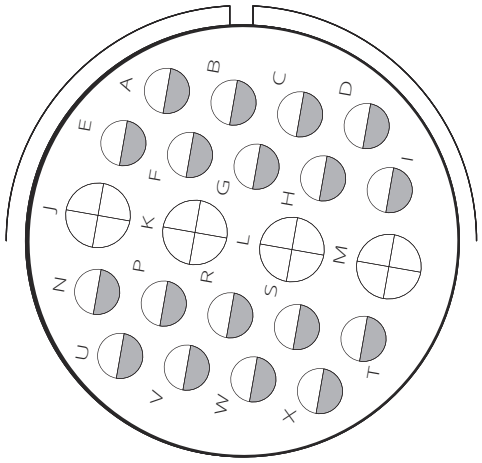

| Shell size | D Connectors Thread in inches | L | K ±0.2 | M ±0.2 | M1 ±0.2 | ØN Max | R ±0.1 | S ±0.3 | ØT ±0.2 | ØT1 Through holes | ØC ±0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | 5/8"-24 UNEF | 24.6 | 2.8 | 9.9 | 14.2 | 16.1 | 18.2 | 25.4 | 3.1 | 3.4 | 17 |
| 14S | 7/8"-20 UNEF | 24.6 | 3.2 | 11.4 | 14.5 | 19.2 | 23 | 30.2 | 3.1 | 3.4 | 20 |
| 16S | 1"-20 UNEF | 24.6 | 3.2 | 11.4 | 14.2 | 22.5 | 24.6 | 32.5 | 3.1 | 3.4 | 23 |
| 16 | 1"-20 UNEF | 34.1 | 3.2 | 15.9 | 19 | 22.4 | 24.6 | 32.5 | 3.1 | 3.4 | 23 |
| 18 | 1"1/8-18 UNEF | 34.3 | 4 | 15.9 | 19 | 25.4 | 27 | 34.9 | 3.1 | 3.4 | 26.5 |
| 20 | 1"1/4-18 UNEF | 34.3 | 4 | 15.9 | 19 | 28.8 | 29.4 | 38.1 | 3.1 | 3.4 | 30 |
| 22 | 1"3/8-18 UNEF | 34.3 | 4 | 15.9 | 19.7 | 32.2 | 31.8 | 41 | 3.1 | 3.4 | 33 |
| 24 | 1"1/2-18 UNEF | 35.8 | 4 | 15.9 | 20.6 | 35.3 | 34.9 | 44.5 | 3.7 | 3.9 | 36 |
| **28** | **1"3/4-18 UNS** | **35.8** | **4** | **15.9** | **20.6** | **41.5** | **39.7** | **50.8** | **3.7** | **3.9** | **42** |
| 32 | 2"-18 UNS | 37.6 | 4 | 15.9 | 22.2 | 47.8 | 44.5 | 57 | 4.4 | 4.5 | 48.5 |
| 36 | 2"1/4-16 UN | 37.6 | 4 | 15.9 | 22.2 | 52.6 | 49.2 | 63.5 | 4.4 | 4.5 | 55 |
| 40 | 2"1/2-16 UN | 37.6 | 4 | 15.9 | 22.2 | 59.2 | 55.6 | 69.8 | 4.4 | 4.5 | 61 |

*Dimensions in mm*

***Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.***

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## Inserts




| | |
|---|---|
| **Arrangement** | 28-11 |
| **Gender** | Pin |
| **No. of contacts** | 22 |
| **Contacts size** | N° 18 x #16 (22A Max) |
| | N° 4 x #12 (41A Max) |
| | |
| **Service Rating** | A (700Vdc - 500Vac) |
| | |
| | |
| **Rotation** | Z (280°) |

| Contacts P/N | Qty | Size | Termination | mm² section | AWG section | Stripping length mm | Manual crimp tool | Crimp Die / Locator | Insertion tool | Removal tool | Guide pin |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ST385 16P | 18 | 16 | solder | - | 18÷16 | 7 | - | - | - | - | - |
| ST385 12P | 4 | 12 | solder | - | 12 | 8 | - | - | - | - | - |
| | | | | | | | | | | | |

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## Code details

| | | |
|---|---|---|
| Insert material | _ | Chloroprene rubber |
| Series | CVS | Thread connectors |
| Shell material | _ | Aluminum alloy |
| Shell Type | 02A | Front mounting receptacle connector non enviromental (equivalent MS3102A threaded version or MS3102A..B bayonet version) |
| Connector Class | _ | No rear accessories |
| Accessories | _ | - |
| Accessories | _ | - |
| Accessories | _ | - |
| Insert | 28-11 | Arrangement 28-11 |
| Gender Contacts | P | Pin |
| Polarization | Z | Z (280°) |
| Backshell Details | _ | - |
| Contacts Termination | _ | Solder |
| Contact Plating | _ | Silver 3.5µ min |
| Shell Finish | F4 | CCF green (conductive) |
| Panel Gasket | _ | - |
| Contact modification code | _ | - |
| Customization | _ | - |

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**Shell type:**
Thread connectors
Front mounting receptacle connector non enviromental (equivalent MS3102A threaded version or MS3102A..B bayonet version)

**Reference Documents:**
- SAE AS 50151 (ex MIL-C-5015 where applicable)
- EN 60529

**General features:**
Arrangement: 28-11; Pin; the insert is supplied with rotation: Z (280°)
Contact: n.4 size 12; n.18 size 16; Solder

Operating Temperature: -55 ÷ +125°C
IP Protection degree according EN60529: IP67 (in the mating area only)
Insulating rubber parts: Chloroprene rubber

**Connector supplied with:**
- No rear accessories

**Electrical specifications:**
Nominal Voltage: 700 Vdc / 500 Vac (service A)
Test Voltage: 2000 Vac

Current Rating, single contact:
- maximum current: 41A (#12) 22A (#16) with ambient temperature 20°C
- rated current: 23A (#12) 13A (#16) with ambient temperature 80°C

| COMPONENTS | MATERIALS | PLATING / FINISHES |
|---|---|---|
| Shells | Aluminum alloy | CCF green (conductive) |
| Insulating | Chloroprene rubber | - |
| Contacts | Copper alloy | Silver 3.5µ min |
| Panel Gasket | - | - |
| Others part | - | - |

| ACCESSORIES (included) | | |
|---|---|---|
| **P/N** | **Description** | **Quantity** |
| - | - | - |
| - | - | - |
| - | - | - |

| PACKAGING | | |
|---|---|---|
| **Quantity** | **Type** | **Weight** |
| 1 | Plastic Bags | - |
| - | Carton Box | - |

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