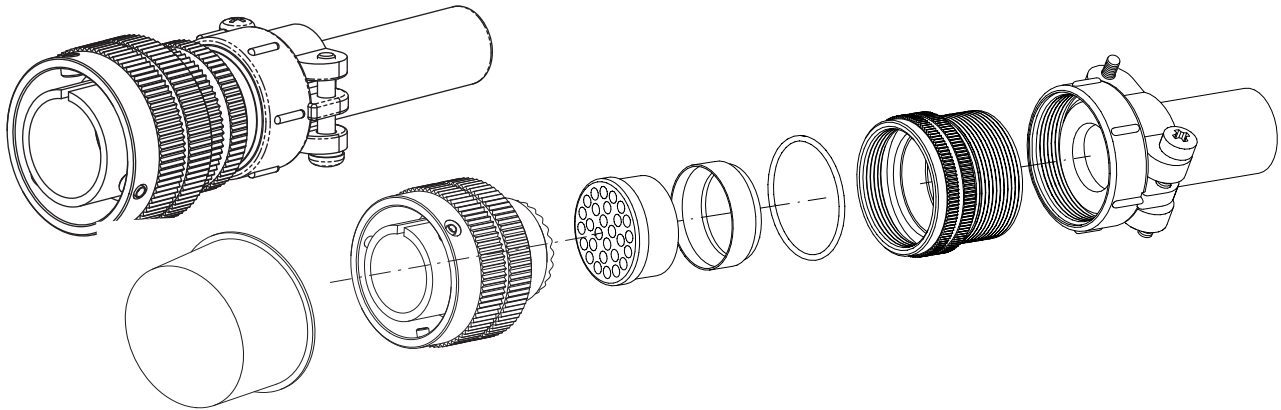
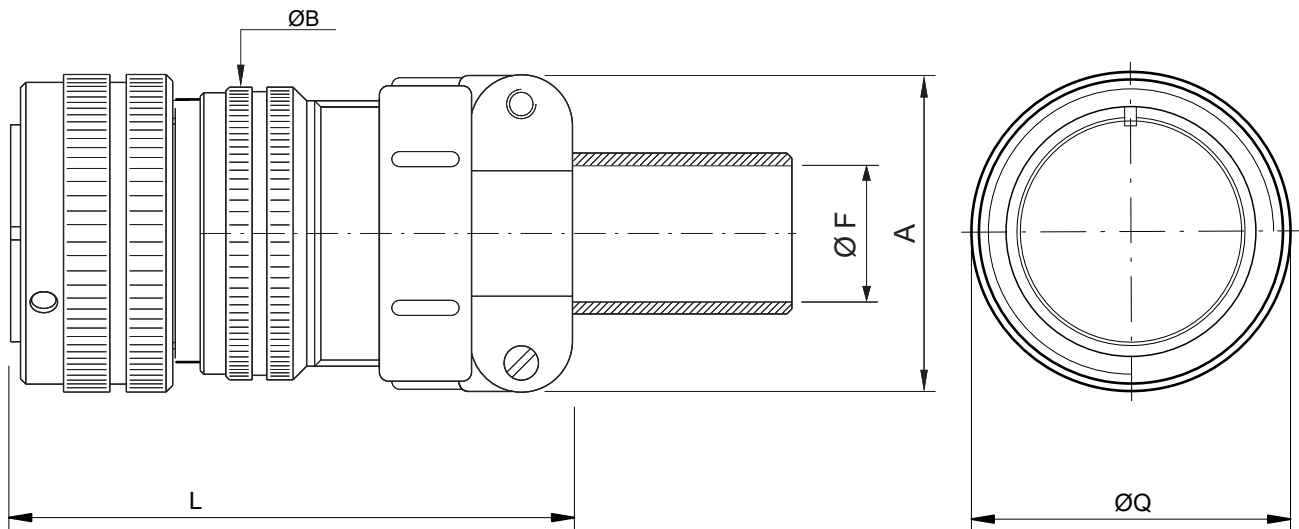


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| Shell size | ØQ<br>±0.2 | L<br>max  | ØB<br>±0.2 | A<br>max    | ØF<br>cable max<br>dimension |
|------------|------------|-----------|------------|-------------|------------------------------|
| 10SL       | 23.3       | 46        | 20         | 22.5        | 5.6                          |
| 14S        | 29.5       | 55        | 24         | 28          | 7.9                          |
| 16S        | 33         | 56.5      | 27         | 30          | 11                           |
| 16         | 33         | 62.5      | 27         | 30          | 11                           |
| 18         | 37         | 67.5      | 30         | 31.7        | 14.2                         |
| <b>20</b>  | <b>41</b>  | <b>68</b> | <b>32</b>  | <b>37.5</b> | <b>15.8</b>                  |
| 22         | 43         | 70.5      | 37         | 37.5        | 15.8                         |
| 24         | 48         | 70.5      | 40         | 43.5        | 19                           |
| 28         | 53         | 77.5      | 45         | 43.5        | 19                           |
| 32         | 60         | 77.5      | 52         | 51.7        | 23.8                         |
| 36         | 66.2       | 77.5      | 58         | 58.5        | 31.7                         |
| 40         | 72.4       | 93        | 63.8       | 68.5        | 34.9                         |

Dimensions in mm

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

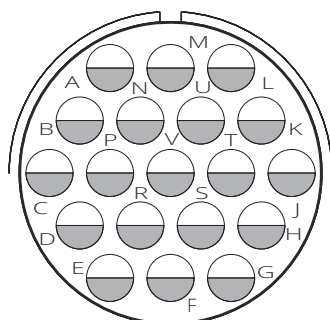
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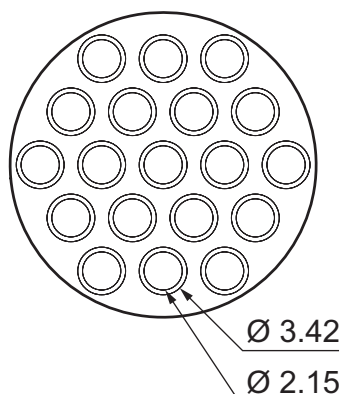
## Inserts



|                 |                       |
|-----------------|-----------------------|
| Arrangement     | 20A48                 |
| Gender          | Socket                |
| No. of contacts | 19                    |
| Contacts size   | N° 19 x #16 (22A Max) |
| Service Rating  | I (250Vdc - 200Vac)   |
| Rotation        | N (0°)                |

| Contacts P/N  | Qty | Size | Termination | mm <sup>2</sup> section | AWG section | Stripping length mm | Manual crimp tool | Crimp Die / Locator | Insertion tool | Removal tool | Guide pin |
|---------------|-----|------|-------------|-------------------------|-------------|---------------------|-------------------|---------------------|----------------|--------------|-----------|
| ST485 16S CD5 | 19  | 16   | crimp       | 1÷1.5                   | 18÷16       | 6.3                 | CRT-784/1         | LOC-784             | CTIN-784-16    | CTES-784-16  | GP-784-16 |

## Grommet \*



\* Consult our sales office for wire specification

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## Code details

|                           |       |                                                                                                       |
|---------------------------|-------|-------------------------------------------------------------------------------------------------------|
| Insert material           | RF    | Fire behaviour (fire and smoke) complying with EN 45545-2, NFPA130 (ASTME162, ASTME662, BSS7239)      |
| Series                    | CVBS  | Bayonet connector with protected mating ramps                                                         |
| Shell material            | –     | Aluminum alloy                                                                                        |
| Shell Type                | 06    | Plug connector for straight backshell, with coupling nut                                              |
| Connector Class           | F     | Backshell provided with MS3057..A type cable-clamp, bushing MS 3420.., grommet and cone (single wire) |
| Accessories               | T     | Plastic protection cap                                                                                |
| Accessories               | –     | -                                                                                                     |
| Accessories               | –     | -                                                                                                     |
| Insert                    | 20A48 | Arrangement 20A48                                                                                     |
| Gender Contacts           | S     | Socket                                                                                                |
| Polarization              | –     | N (0°)                                                                                                |
| Backshell Details         | –     | -                                                                                                     |
| Contacts Termination      | CR    | Crimp                                                                                                 |
| Contact Plating           | CD5   | Nickel + gold 0.4 µ min                                                                               |
| Shell Finish              | F7    | Black epoxy-polyurethane varnish (non conductive), RoHS compliant                                     |
| Panel Gasket              | –     | -                                                                                                     |
| Contact modification code | –     | -                                                                                                     |
| Customization             | –     | -                                                                                                     |

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## Shell type:

Bayonet connector with protected mating ramps  
Plug connector for straight backshell, with coupling nut

## Reference Documents:

- Mil-DTL-5015 (where applicable)
- VG 95234 (where applicable)
- EN 60529
- EN45545-2, NFPA130 (ASTME162, ASTM662, BSS7239)
- European Directive 2011/65/UE (RoHS)

## General features:

Arrangement: 20A48; Socket; the insert is supplied with rotation: N (0°)  
Contact: n.19 size 16; Crimp

Operating Temperature: -55 ÷ +150°C

Protection (mated connectors with adequate accessories): enviromental

Insulating rubber parts: Fire behaviour (fire and smoke) complying with EN 45545-2, NFPA130 (ASTME162, ASTM662, BSS7239)

## Connector supplied with:

- Backshell provided with MS3057..A type cable-clamp, bushing MS 3420.., grommet and cone (single wire)
- Plastic protection cap

## Electrical specifications:

Nominal Voltage: 250 Vdc / 200 Vac (service I)

Test Voltage: 1000 Vac

Current Rating, single contact:

- maximum current: 22A (#16) with ambient temperature 20°C
- rated current: 13A (#16) with ambient temperature 80°C

| COMPONENTS   | MATERIALS                         | PLATING / FINISHES                                                | ACCESSORIES (included) |             |          |
|--------------|-----------------------------------|-------------------------------------------------------------------|------------------------|-------------|----------|
| Shells       | Aluminum alloy                    | Black epoxy-polyurethane varnish (non conductive), RoHS compliant | P/N                    | Description | Quantity |
| Insulating   | Fire behaviour * (fire and smoke) | -                                                                 | -                      | -           | -        |
| Contacts     | Copper alloy                      | Nickel + gold 0.4 µ min                                           | -                      | -           | -        |
| Panel Gasket | -                                 | -                                                                 | -                      | -           | -        |
| Others part  | -                                 | -                                                                 | -                      | -           | -        |

\* Insulating Class parts: fire behaviour (fire and smoke) complying with EN 45545-2  
Par. 4.3.1 (< 10 g), NFPA130 Par. 8.4.1.10 (< 100 cm²)

## PACKAGING

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