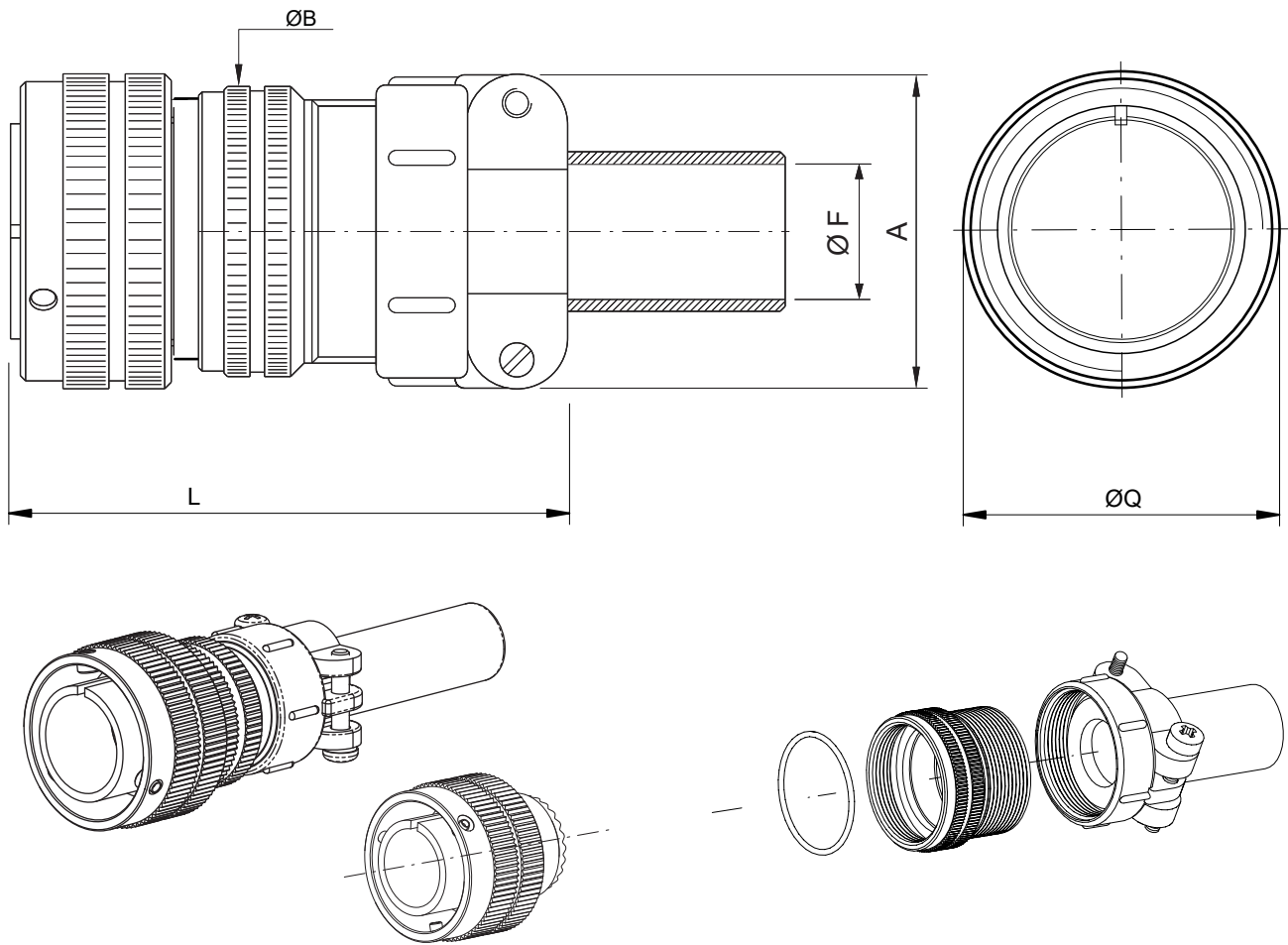


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| Shell size | ØQ<br>±0.2  | L<br>max  | ØB<br>±0.2 | A<br>max  | ØF<br>cable max<br>dimension |
|------------|-------------|-----------|------------|-----------|------------------------------|
| 10SL       | 23.3        | 46        | 20         | 22.5      | 5.6                          |
| <b>14S</b> | <b>29.5</b> | <b>55</b> | <b>24</b>  | <b>28</b> | <b>7.9</b>                   |
| 16S        | 33          | 56.5      | 27         | 30        | 11                           |
| 16         | 33          | 62.5      | 27         | 30        | 11                           |
| 18         | 37          | 67.5      | 30         | 31.7      | 14.2                         |
| 20         | 41          | 68        | 32         | 37.5      | 15.8                         |
| 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.

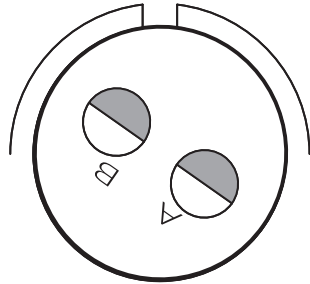
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## Inserts



|                 |                       |
|-----------------|-----------------------|
| Arrangement     | 14S-9                 |
| Gender          | Socket                |
| No. of contacts | 2                     |
| Contacts size   | N° 2 x #16S (22A Max) |
|                 |                       |
|                 |                       |
| Service Rating  | A (700Vdc - 500Vac)   |
|                 |                       |
|                 |                       |
| Rotation        | X (145°)              |

| 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 16SS CD5 | 2   | 16S  | crimp       | 1÷1.5                   | 18÷16       | 6.3                 | CRT-784/1         | LOC-784             | CTIN-784-16    | CTES-784-16  | GP-784-16 |

|  |  |  |  |  |  |  |  |  |  |  |  |
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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           | AF    | Standard backshell, MS3057..A type cable-clamp and bushing MS 3420.. (single wire)               |
| Accessories               | –     | -                                                                                                |
| Accessories               | –     | -                                                                                                |
| Accessories               | –     | -                                                                                                |
| Insert                    | 14S-9 | Arrangement 14S-9                                                                                |
| Gender Contacts           | S     | Socket                                                                                           |
| Polarization              | X     | X (145°)                                                                                         |
| 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:

- SAE AS 50151 (ex MIL-C-5015 where applicable)
- VG 95234 (where applicable)
- EN 60529
- EN45545-2, NFPA130 (ASTME162, ASTM662, BSS7239)
- European Directive 2011/65/UE (RoHS)

## General features:

Arrangement: 14S-9; Socket; the insert is supplied with rotation: X (145°)  
Contact: n.2 size 16S; Crimp

Operating Temperature: -55 ÷ +150°C

IP Protection degree according EN60529: IP67 or IP68 (10meters 12hours, according to the application, connector series and shell type)

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

## Connector supplied with:

- Standard backshell, MS3057..A type cable-clamp and bushing MS 3420.. (single wire)

## Electrical specifications:

Nominal Voltage: 700 Vdc / 500 Vac (service A)

Test Voltage: 2000 Vac

Current Rating, single contact:

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

| COMPONENTS   | MATERIALS                         | PLATING / FINISHES                                                | ACCESSORIES (included) |             |          |
|--------------|-----------------------------------|-------------------------------------------------------------------|------------------------|-------------|----------|
|              |                                   |                                                                   | P/N                    | Description | Quantity |
| Shells       | Aluminum alloy                    | Black epoxy-polyurethane varnish (non conductive), RoHS compliant | -                      | -           | -        |
| 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   | -      |