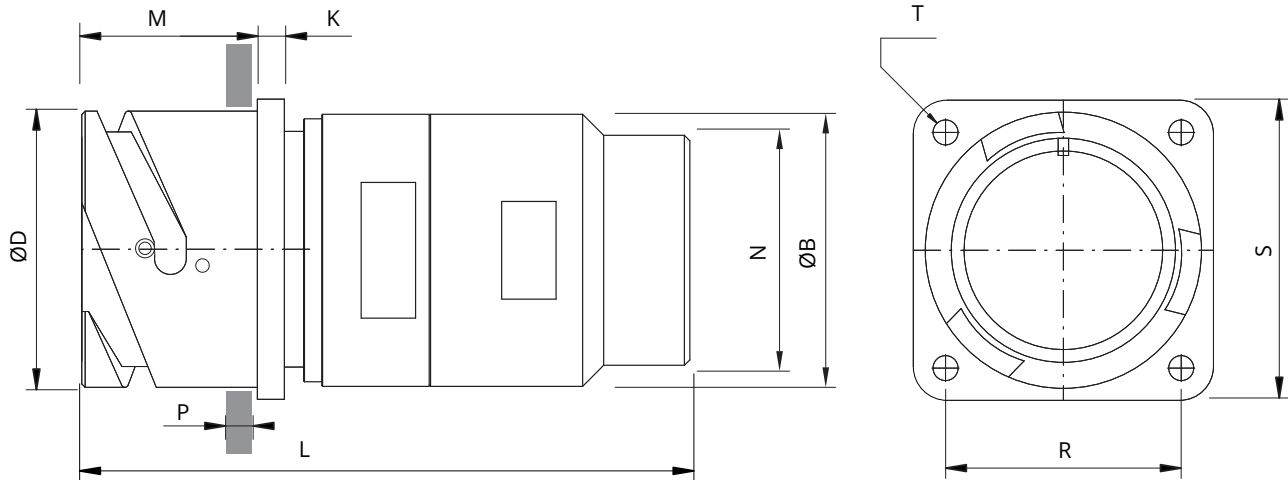
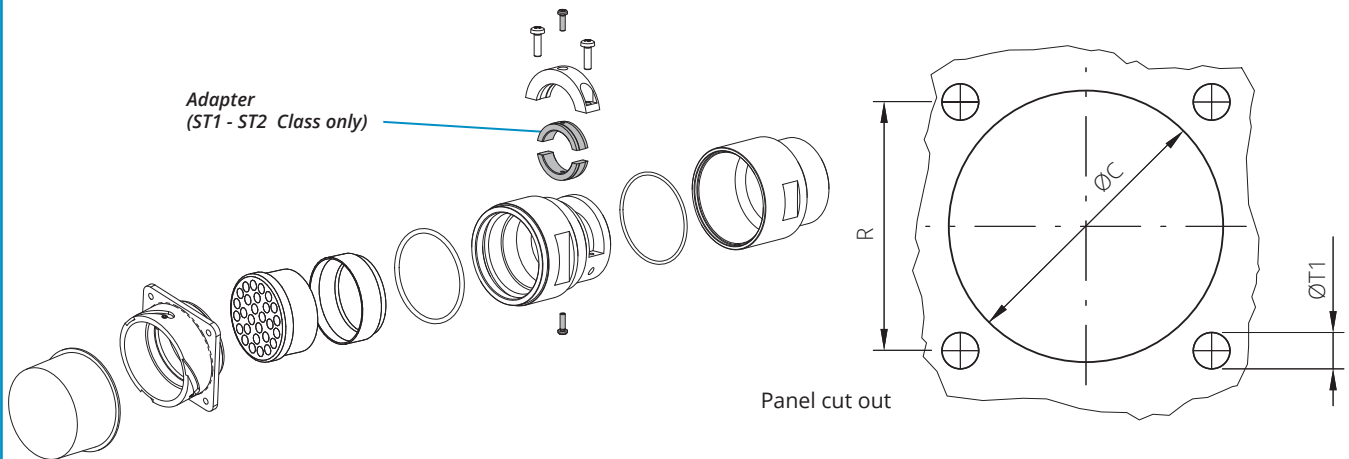


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| Shell size | ØD<br>+0<br>-0.15 | ØB<br>±0.2 | L   | M<br>±0.2 | K<br>±0.2 | N<br>Backshell<br>Thread in<br>inches | R<br>±0.1 | S<br>±0.3 | ØT | ØT1 | ØC<br>±0.2 | P Panel<br>Thickness<br>Max | Cable Range |       |       |
|------------|-------------------|------------|-----|-----------|-----------|---------------------------------------|-----------|-----------|----|-----|------------|-----------------------------|-------------|-------|-------|
|            |                   |            |     |           |           |                                       |           |           |    |     |            |                             | ST          | ST1   | ST2   |
| 18         | 30.8              | 30         | 95  | 23.4      | 4         | 1"-20 UNEF                            | 27        | 34.9      | M4 | 4.5 | 31.7       | 7.25                        | 14-9        | 9-4   | *     |
| 20         | 34.2              | 32         | 95  | 23.4      | 4         | 1" 3/16-18 UNEF                       | 29.4      | 38.1      | M4 | 4.5 | 35         | 7.3                         | 19-14       | 14-9  | *     |
| 22         | 37.4              | 38         | 95  | 23.4      | 4         | 1" 3/16-18 UNEF                       | 31.8      | 41        | M4 | 4.5 | 38.3       | 7.3                         | 19-14       | 14-9  | *     |
| 24         | 40.9              | 45         | 100 | 23.4      | 4         | 1" 7/16-18 UNEF                       | 34.9      | 44.5      | M4 | 4.5 | 41.8       | 6.85                        | 23-18       | 18-13 | *     |
| 28         | 46.7              | 48         | 100 | 24.4      | 4         | 1" 7/16-18 UNEF                       | 39.7      | 50.8      | M5 | 5.5 | 47.6       | 7.8                         | 23-18       | 18-13 | *     |
| 32         | 53.4              | 55         | 105 | 24.4      | 4         | 1" 3/4-18 UNS                         | 44.5      | 57        | M5 | 5.5 | 54.3       | 7.5                         | 31-25       | 25-19 | 19-13 |
| 36         | 59.6              | 58         | 115 | 24.4      | 4         | 2"-18 UNS                             | 49.2      | 63.5      | M5 | 5.5 | 60.5       | 7.5                         | 33-25       | 25-18 | *     |
| 40         | 65.5              | 65         | 115 | 24.4      | 4         | 2" 1/4-16 UN                          | 55.6      | 69.8      | M5 | 5.5 | 66.4       | 7.5                         | 39-31       | 31-24 | 24-16 |

Dimensions in mm

\* On request (please consult our Sales Office)

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

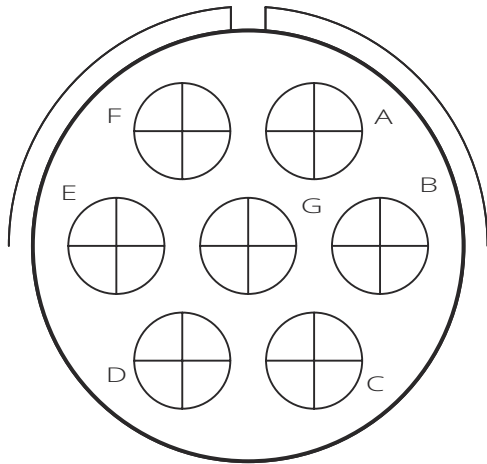
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## Inserts



Arrangement 20-15

Gender Pin

No. of contacts 7

Contacts size N° 7 x #12 (41A Max)

Service Rating A (700Vdc - 500Vac)

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 12P    | 7   | 12   | crimp       | 3                       | 12          | 8.3                 | CRT-784/1         | LOC-784             | CTIN-784-12    | CTES-784-12  | GP-784-12 |

## Grommet \*

## Wire Outside Diameter (mm)

| Size | min | max |
|------|-----|-----|
| #12  | 3.3 | 4.7 |

\* 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                | 030   | Rear mounting receptacle connector with thread to accept backshells                              |
| Connector Class           | ST    | Backshell with internal cable retention system                                                   |
| Accessories               | T     | Plastic protection cap                                                                           |
| Accessories               | –     | -                                                                                                |
| Accessories               | –     | -                                                                                                |
| Insert                    | 20-15 | Arrangement 20-15                                                                                |
| Gender Contacts           | P     | Pin                                                                                              |
| Polarization              | –     | N (0°)                                                                                           |
| Backshell Details         | –     | -                                                                                                |
| Contacts Termination      | CR    | Crimp                                                                                            |
| Contact Plating           | –     | Silver 3.5µ min                                                                                  |
| Shell Finish              | F26   | Hard black anodize                                                                               |
| Panel Gasket              | –     | -                                                                                                |
| Contact modification code | –     | -                                                                                                |
| Customization             | –     | -                                                                                                |

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## Shell type:

Bayonet connector with protected mating ramps  
Rear mounting receptacle connector with thread to accept backshells

## Reference Documents:

- SAE AS 50151 (ex MIL-C-5015 where applicable)
- VG 95234 (where applicable)
- EN 60529
- EN45545-2, NFPA130 (ASTME162, ASTME662, BSS7239)
- European Directive 2011/65/UE (RoHS)

## General features:

Arrangement: 20-15; Pin; the insert is supplied with rotation: N (0°)  
Contact: n.7 size 12; 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, ASTME662, BSS7239)

## Connector supplied with:

- Backshell with internal cable retention system
- Plastic protection cap

## Electrical specifications:

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

Current Rating, single contact:

- maximum current: 41A (#12) with ambient temperature 20°C
- rated current: 23A (#12) with ambient temperature 80°C

| COMPONENTS   | MATERIALS                           | PLATING / FINISHES | ACCESSORIES (included) |             |          |
|--------------|-------------------------------------|--------------------|------------------------|-------------|----------|
|              |                                     |                    | P/N                    | Description | Quantity |
| Shells       | Aluminum alloy                      | Hard black anodize |                        |             |          |
| Insulating   | Fire behaviour*<br>(fire and smoke) | -                  | -                      | -           | -        |
| Contacts     | Copper alloy                        | Silver 3.5µ 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   | -      |