

983-15 KV 7- 12- 03 S N- L \*

Connector type

Connector model

A-W-WS-R-RS-K-S-KE-SE-KV-SV-KF-SF  
(W-R-K-KE : plug only)

Shell type

2 square flange receptacle with integral accessory  
3 jam-nut receptacle with integral accessory  
7 plug with integral accessory

Shell size

08 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28

Arrangements

Contact type

P Male contact  
S Female contact

Key orientation

N - 6 - 7 - 8 - 9 - Y

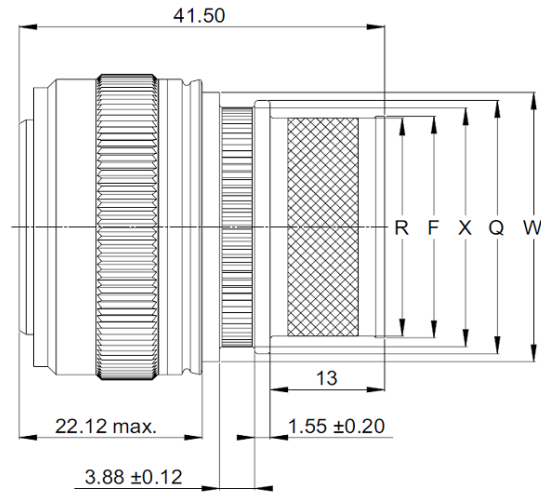
Index for contact

L Connector without contact  
Without index Connector with contacts

\*

special modifications :  
A1499 for KE and SE only  
For other modifications, Consult TE Technical Support

SHELL TYPE 7 :  
Plug with Integral Accessory

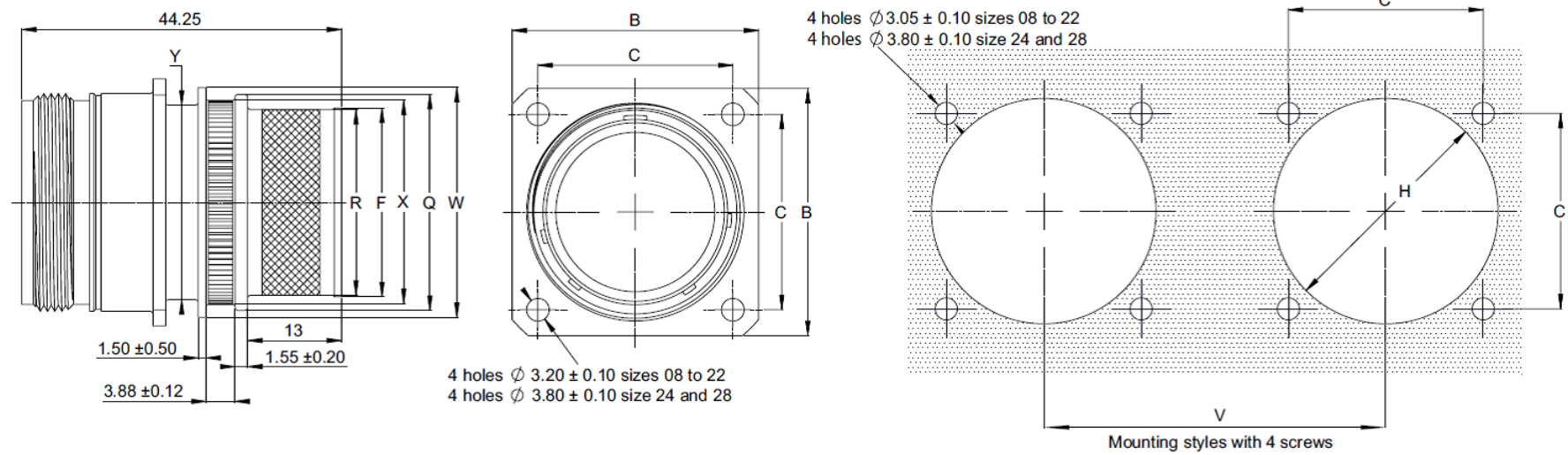


| Size | R<br>±0.10 | F<br>±0.10 | X<br>±0.10 | Q<br>±0.10 | W<br>±0.25 |
|------|------------|------------|------------|------------|------------|
| 08   | 11.70      | 12.10      | 17.10      | 18.70      | 19.50      |
| 10   | 14.92      | 15.32      | 18.00      | 19.60      | 21.50      |
| 12   | 17.87      | 18.27      | 20.40      | 22.00      | 23.50      |
| 14   | 21.05      | 21.45      | 24.50      | 26.10      | 28.00      |
| 16   | 24.22      | 24.62      | 27.00      | 28.60      | 30.50      |
| 18   | 25.64      | 26.04      | 28.20      | 29.80      | 31.70      |
| 20   | 28.82      | 29.22      | 32.00      | 33.60      | 35.50      |
| 22   | 32.00      | 32.40      | 35.10      | 36.70      | 38.60      |
| 24   | 35.17      | 35.57      | 40.50      | 42.10      | 42.00      |
| 28   | 41.52      | 41.92      | 45.00      | 46.60      | 48.50      |

CHARACTERISTIQUES

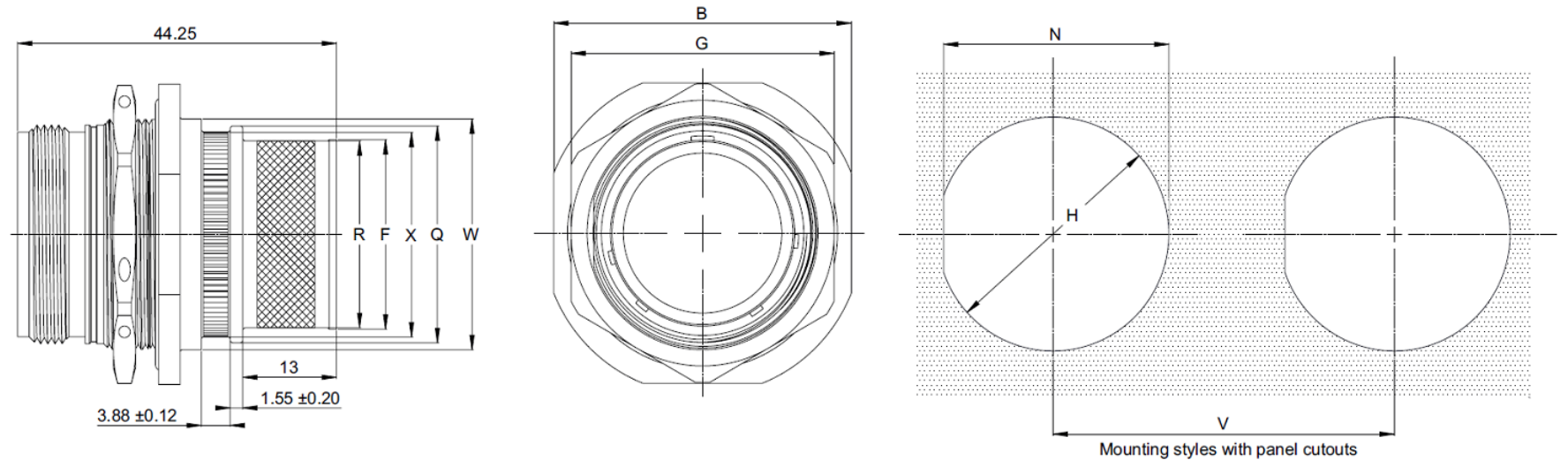
- Shell Material : For **W & WS** Connector Models - Aluminum Alloy, Olive Drab Cadmium plated  
For **A** Connector Model - Aluminum Alloy, Black Anodized  
For **R & RS** Connector Models - Aluminum Alloy, Nickel plated  
For **K, S, KE, SE, KV, SV, KF, SF** Connector Models - Stainless steel
- Insert Material : Thermo-setting
- Seal : Silicone
- Contact : Crimp type, removable, gold plating
- Temperature Range : For **W & WS** Connector Models : -65°C to 175°C  
For **A,R,RS,K,S** Connector Models : -65°C to 200°C  
For **KE, SE, KV, SV, KF, SF** Connector Models : -65°C to 260°C cyclique
- Dielectric withstanding Voltage : At sea level - 1500 Vrms 50 Hz mated connectors  
At 15 000 meters altitude - 1000 Vrms 50 Hz mated connectors  
At 30 000 meters altitude - 200 Vrms 50 Hz unmated connectors

SHELL TYPE 2 :  
Square Flange Receptacle with Integral Accessory



| Size | B<br>Max. | C<br>±0.05 | R<br>±0.10 | F<br>±0.10 | Y<br>Max. | X<br>±0.10 | Q<br>±0.10 | W<br>±0.25 | H<br>Min. | V<br>Min. |
|------|-----------|------------|------------|------------|-----------|------------|------------|------------|-----------|-----------|
| 08   | 20.75     | 15.09      | 11.70      | 12.10      | 14.27     | 17.10      | 18.70      | 19.50      | 15.80     | 31.70     |
| 10   | 23.93     | 18.26      | 14.92      | 15.32      | 17.68     | 18.00      | 19.60      | 21.50      | 18.70     | 34.90     |
| 12   | 26.32     | 20.62      | 17.87      | 18.27      | 22.22     | 20.40      | 22.00      | 23.50      | 23.40     | 39.60     |
| 14   | 28.71     | 23.01      | 21.05      | 21.45      | 23.78     | 24.50      | 26.10      | 28.00      | 24.90     | 41.25     |
| 16   | 31.88     | 24.61      | 24.22      | 24.62      | 26.97     | 27.00      | 28.60      | 30.50      | 28.30     | 44.45     |
| 18   | 34.24     | 26.97      | 25.64      | 26.04      | 30.15     | 28.20      | 29.80      | 31.70      | 31.10     | 47.35     |
| 20   | 36.63     | 29.36      | 28.82      | 29.22      | 33.32     | 32.00      | 33.60      | 35.50      | 34.50     | 51.90     |
| 22   | 39.80     | 31.75      | 32.00      | 32.40      | 36.50     | 35.10      | 36.70      | 38.60      | 37.50     | 54.10     |
| 24   | 43.39     | 34.92      | 35.17      | 35.57      | 39.67     | 40.50      | 42.10      | 42.00      | 40.60     | 57.25     |
| 28   | 50.93     | 39.67      | 41.52      | 41.92      | 46.02     | 45.00      | 46.60      | 48.50      | 48.00     | 65.25     |

SHELL TYPE 3 :  
Jam-Nut Receptacle with Integral Accessory



| Size | B<br>Max. | G<br>Max. | R<br>±0.10 | F<br>±0.10 | X<br>±0.10 | Q<br>±0.10 | W<br>±0.25 | N<br>O-0.26 | H<br>O-0.26 | V<br>Min. | Tightening torque<br>of panel nut |
|------|-----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-----------|-----------------------------------|
| 08   | 24.89     | 12.70     | 11.70      | 12.10      | 17.10      | 18.70      | 19.50      | 15.50       | 16.26       | 31.70     | 7 m.N max.                        |
| 10   | 28.04     | 15.88     | 14.92      | 15.32      | 18.00      | 19.60      | 21.50      | 18.67       | 19.43       | 34.90     | 10 m.N max.                       |
| 12   | 32.79     | 19.05     | 17.87      | 18.27      | 20.40      | 22.00      | 23.50      | 23.42       | 24.18       | 39.60     | 12 m.N max.                       |
| 14   | 35.33     | 22.23     | 21.05      | 21.45      | 24.50      | 26.10      | 28.00      | 25.02       | 25.78       | 41.25     | 15 m.N max.                       |
| 16   | 38.51     | 25.40     | 24.22      | 24.62      | 27.00      | 28.60      | 30.50      | 28.20       | 28.96       | 44.45     | 18 m.N max.                       |
| 18   | 41.68     | 26.97     | 25.64      | 26.04      | 28.20      | 29.80      | 31.70      | 31.25       | 32.13       | 47.35     | 22 m.N max.                       |
| 20   | 44.86     | 30.18     | 28.82      | 29.22      | 32.00      | 33.60      | 35.50      | 34.42       | 35.31       | 51.90     | 25 m.N max.                       |
| 22   | 49.63     | 33.32     | 32.00      | 32.40      | 35.10      | 36.70      | 38.60      | 37.59       | 38.48       | 54.10     | 27 m.N max.                       |
| 24   | 52.81     | 36.53     | 35.17      | 35.57      | 40.50      | 42.10      | 42.00      | 40.77       | 41.66       | 57.25     | 29 m.N max.                       |
| 28   | 59.21     | 44.45     | 41.52      | 41.92      | 45.00      | 46.60      | 48.50      | 47.14       | 48.01       | 65.25     | 30 m.N max.                       |

|                   |                                           |
|-------------------|-------------------------------------------|
| DIMENSIONS:<br>MM | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |
| 0 PLC ±           | 1 PLC ±0.05                               |
| 2 PLC ±0.05       | 3 PLC ±0.02                               |
| 4 PLC ±           |                                           |
| ANGLES ±°         |                                           |
| SURFACE TEXTURE   |                                           |

|                                                              |                 |                 |
|--------------------------------------------------------------|-----------------|-----------------|
| DWN<br>LAKSHMI SUDHA R                                       | MATERIAL<br>-   | HEAT TREAT<br>- |
| CHK<br>RAKESH S                                              |                 |                 |
| APVD<br>VINCENT P                                            |                 |                 |
| NAME<br>983 Series_Sealed Connectors with Integral Accessory | SCALE<br>2:1    | SIZE<br>A2      |
| DRAWING NO<br>983-15X_++                                     | SHEET<br>1 of 1 | REV<br>A        |

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