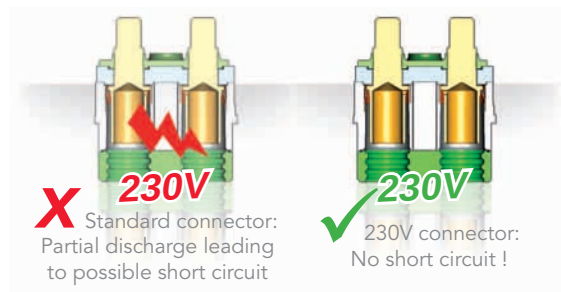




## 230 Volt EN3645 and EN2997 Derived Connectors

The use of higher voltage to reduce cable weight has lead to the development of double voltage connectors.

- Robust design and materials** ■ In high altitude un-pressurized areas, higher voltages increase electrical partial discharges:  
→ Risk of contact short circuits.  
Our 230V connector avoids this risk!



- No possible mismatch** ■ Specific T and V clocking to avoid mating with a non 230V qualified counterpart.
- Flexible offering** ■ Available in standard watertight and hermetic connectors with the same performance.  
Available in composite and stainless steel shells.

## Ordering information

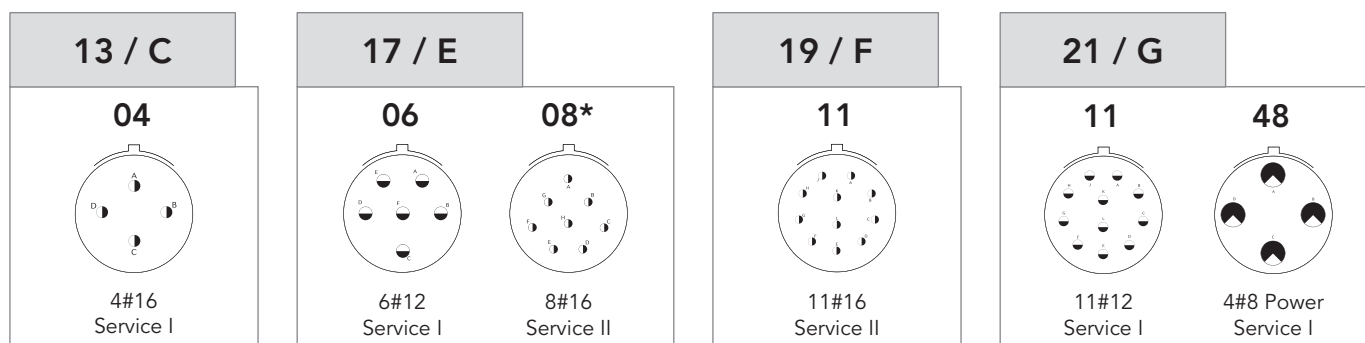
### Standard 8D Series/EN3645 derived connectors

|                                                                                                                                               |           |          |           |          |           |          |          |             |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|-----------|----------|-----------|----------|----------|-------------|
| <b>Basic Series</b>                                                                                                                           | <b>8D</b> | <b>0</b> | <b>13</b> | <b>K</b> | <b>04</b> | <b>P</b> | <b>T</b> | <b>600L</b> |
| <b>Shell style:</b><br>0: Square flange receptacle<br>5: Plug with RFI shielding<br>7: Jam nut receptacle (stainless steel only - plating K)  |           |          |           |          |           |          |          |             |
| <b>Shell size: 13, 17, 19, 21</b>                                                                                                             |           |          |           |          |           |          |          |             |
| <b>Plating:</b><br>K: Passivated, stainless steel shell<br>M: Nickel, composite shell                                                         |           |          |           |          |           |          |          |             |
| <b>Contact layout:</b> See tables below                                                                                                       |           |          |           |          |           |          |          |             |
| <b>Contact type:</b><br>P: Pin (500 mating/unmating)<br>S: Socket (500 mating/unmating)                                                       |           |          |           |          |           |          |          |             |
| <b>Orientation:</b> T, V (See page 4)                                                                                                         |           |          |           |          |           |          |          |             |
| <b>Specification:</b><br>600: 230V qualified connector, delivered with contacts<br>600L: 230V qualified connector, delivered without contacts |           |          |           |          |           |          |          |             |

### Hermetic 8D Series derived connectors

|                                                                                                                       |               |           |          |          |           |          |          |            |
|-----------------------------------------------------------------------------------------------------------------------|---------------|-----------|----------|----------|-----------|----------|----------|------------|
| <b>Basic Series</b>                                                                                                   | <b>F38999</b> | <b>21</b> | <b>Y</b> | <b>C</b> | <b>04</b> | <b>P</b> | <b>T</b> | <b>600</b> |
| <b>Shell style:</b><br>21: Box mounting flange receptacle<br>23: Jam nut receptacle<br>25: Solder mounting receptacle |               |           |          |          |           |          |          |            |
| <b>Class:</b><br>Y: Passivated stainless steel shell                                                                  |               |           |          |          |           |          |          |            |
| <b>Shell size:</b><br>13=C, 17=E, 19=F, 21=G                                                                          |               |           |          |          |           |          |          |            |
| <b>Contact layout:</b> See tables below                                                                               |               |           |          |          |           |          |          |            |
| <b>Contact type:</b><br>P: Male solder cup                                                                            |               |           |          |          |           |          |          |            |
| <b>Orientation:</b> T, V (See page 4)                                                                                 |               |           |          |          |           |          |          |            |
| <b>Specification:</b><br>600: 230V qualified connector, delivered with contacts                                       |               |           |          |          |           |          |          |            |

## Contact layouts



\* Composite version only.

## Ordering information

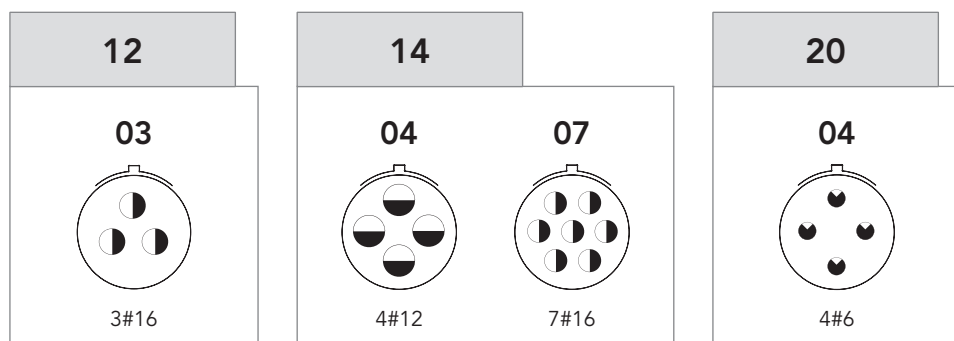
### Standard 8533 Series/EN2997 derived connectors

|                                                                                                                                                                                                                                                                                                                                          |             |          |           |           |           |          |          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|-----------|-----------|-----------|----------|----------|-------------|
| <b>Basic Series</b>                                                                                                                                                                                                                                                                                                                      | <b>8533</b> | <b>0</b> | <b>ES</b> | <b>12</b> | <b>03</b> | <b>P</b> | <b>T</b> | <b>600L</b> |
| <b>Shell type:</b><br>0: Square flange receptacle<br>3: Plug with RFI screening ring<br>7: Jam nut receptacle                                                                                                                                                                                                                            |             |          |           |           |           |          |          |             |
| <b>Class:</b><br><b>ES:</b> 260°C stainless steel with 360° teeth                                                                                                                                                                                                                                                                        |             |          |           |           |           |          |          |             |
| <b>Shell size:</b> 12, 14, 20                                                                                                                                                                                                                                                                                                            |             |          |           |           |           |          |          |             |
| <b>Contact layout:</b> See tables below                                                                                                                                                                                                                                                                                                  |             |          |           |           |           |          |          |             |
| <b>Contact type:</b><br>P: Pin<br>S: Socket                                                                                                                                                                                                                                                                                              |             |          |           |           |           |          |          |             |
| <b>Orientation:</b> T, V (See page 4)                                                                                                                                                                                                                                                                                                    |             |          |           |           |           |          |          |             |
| <b>Specification:</b><br><b>600:</b> 230V qualified connector, delivered with contacts (layouts 12-03, 14-04 & 14-07)<br><b>600L:</b> 230V qualified connector, delivered without contacts<br><b>281:</b> 230V qualified connector, delivered with contacts #6 for cable DR8 + boots ABS0992 + standard backshell ABS1452 (layout 20-04) |             |          |           |           |           |          |          |             |

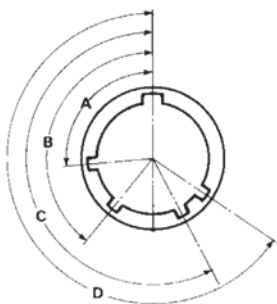
### Hermetic 8533 Series/EN2997 derived connectors

|                                                                                                                              |             |          |          |           |           |          |          |            |
|------------------------------------------------------------------------------------------------------------------------------|-------------|----------|----------|-----------|-----------|----------|----------|------------|
| <b>Basic series</b>                                                                                                          | <b>8533</b> | <b>1</b> | <b>Y</b> | <b>12</b> | <b>03</b> | <b>P</b> | <b>T</b> | <b>600</b> |
| <b>Shell type:</b><br>1: Solder mount receptacle<br>2: Square flange receptacle<br>7: Jam nut receptacle                     |             |          |          |           |           |          |          |            |
| <b>Class:</b><br>Y: 200°C<br>YE: 260°C                                                                                       |             |          |          |           |           |          |          |            |
| <b>Shell size:</b> 12, 14, 20                                                                                                |             |          |          |           |           |          |          |            |
| <b>Contact layout:</b> See tables below                                                                                      |             |          |          |           |           |          |          |            |
| <b>Contact type:</b><br>P: Pin                                                                                               |             |          |          |           |           |          |          |            |
| <b>Orientation:</b> T, V (See page 4)                                                                                        |             |          |          |           |           |          |          |            |
| <b>Specification:</b><br><b>600:</b> 230V qualified connector, delivered with contacts (layouts 12-03, 14-04, 14-07 & 20-04) |             |          |          |           |           |          |          |            |

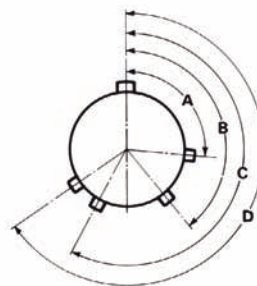
## Contact layouts



## Orientation



Viewed from front face of receptacle



Viewed from front face of plug

| Series | Shell sizes | Orientation | Angles |     |     |     |
|--------|-------------|-------------|--------|-----|-----|-----|
|        |             |             | A°     | B°  | C°  | D°  |
| 8533   | 12 & 14     | T           | 55     | 145 | 228 | 280 |
|        |             | V           | 50     | 156 | 218 | 290 |
|        | 20          | T           | 45     | 160 | 210 | 300 |
|        |             | V           | 60     | 165 | 235 | 285 |
| 8D     | 13          | T           | 70     | 136 | 218 | 261 |
|        |             | V           | 75     | 138 | 224 | 268 |
|        | 17, 19 & 21 | T           | 58     | 162 | 188 | 316 |
|        |             | V           | 85     | 150 | 191 | 307 |

For further information contact us at [contactmilaero@souriau.com](mailto:contactmilaero@souriau.com)  
or visit our web site [www.souriau.com](http://www.souriau.com)