



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Black Zinc Nickel
- Insulator : Thermoplastic
- Contacts : Copper Alloy
- Seals & Grommet : Silicon Elastomer
- Contact Plating : Gold over copper Alloy 0.8µm minimum
- Durability : 500 Mating cycles
- Delivered without Souriau contacts
- Temperature Range : -65°C to +175°C
- Salt Spray : 500 hours
- Mass : 42.94 g ± 10%

| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.91±0.2      |
| PP                  | 6.15±0.2      |
| R1                  | 38.1          |
| R2                  | 34.93         |
| S                   | 46±0.3        |
| V                   | 20.07+0/-1.25 |
| W                   | 2.1/3.2       |
| Z                   | 31.5 Max      |
| VV THREAD           | M37x1-6g      |

SOURIAU shall not be liable for any non-conformity or damage due to a use of the Products which does not comply with the Specifications issued by either of the Parties or by a third party (professional recommendation, technical notice.)

|         |                             |
|---------|-----------------------------|
| Country | Jurisdiction & Control List |
| FR      | Not Listed                  |

**PN: 8D025Z11PNL**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| A              | 09-10-2016                            | First Release                  |   |
| ISS            | DATE                                  | Latest modification - by       | MOD N°  |
| Designed By:   |                                       | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | <b>Aluminium Receptacle 8D series</b> |                                |   |
| SCALE          | NA                                    | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT         | <b>A3</b>                             |                                | <b>SOURIAU DRG N° 8D025Z11PNL-C</b>   |
|                |                                       |                                | SHEET<br>1/2  |

|                |                          |   |   |    |   |    |   |   |   |                                 |
|----------------|--------------------------|---|---|----|---|----|---|---|---|---------------------------------|
| BASIC SERIES:  | 8D                       | 0 | - | 25 | Z | 11 | P | N | L | Delivered W/O Contacts          |
| SHELL TYPE :   | Square Flange Receptacle |   |   |    |   |    |   |   |   | ORIENTATION : N                 |
| CONTACT TYPE : | Standard Crimp Contact   |   |   |    |   |    |   |   |   | CONTACT TYPE : PIN(500 Matings) |
| SHELL SIZE :   | 25                       |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 25-11          |
| PLATING :      | Z = Black Zinc Nickel    |   |   |    |   |    |   |   |   |                                 |

Contact Layout



| Contacts<br>(Insert arrangement 25-11) |              |              |                     |              |             |
|--|--------------|--------------|---------------------|--------------|-------------|
| Contact position ID                    | Location     |              | Contact position ID | Location     |             |
|  | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm)  | Y-axis (mm) |
| A                                      | +000 (0.00)  | +431 (10.95) | G                   | -431 (10.95) | +000 (0.00) |
| B                                      | +304 (7.72)  | +304 (7.72)  | H                   | -304 (7.72)  | +304 (7.72) |
| C                                      | +431 (10.95) | +000 (0.00)  | J                   | +000 (0.00)  | +102 (2.59) |
| D                                      | +304 (7.72)  | -304 (7.72)  | K                   | +092 (2.34)  | -160 (4.06) |
| E                                      | +000 (0.00)  | -431 (10.95) | L                   | -092 (2.34)  | -160 (4.06) |
| F                                      | -304 (7.72)  | -304 (7.72)  | ---                 | ---          | ---         |

NOTES:  
1. All dimensions are true position.  
2. Front face of pin insert shown.

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location              |
|------------|-----------------|--------------------|---------------|----------------|-------------------------------|
| 25         | -11             | 9                  | 10            | N              | A,B,C,D,E,F,<br>G,H,J,<br>L,K |
|            |                 | 2                  | 20            |                |                               |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 42.47 min  |
| ØAA | 37.69 min  |
| R1  | 38.1       |
| ØT  | 3.81 ±0.13 |

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| FORMAT         | <b>SOURIAU DRG N° 8D025Z11PNL-C</b>   |                            | SHEET 2/2   |