



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : 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 +200°C
- Salt Spray : 48 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: 8D025F11PAL

| | | | |
|----------------|---------------------------------------|--------------------------------|---|
| A | 07-10-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Aluminium Receptacle 8D series | | |
| SCALE | NA | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | A3 | | SOURIAU DRG N° 8D025F11PAL-C |
| | | | SHEET 1/2 |

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

Contact Layout



| Contacts (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, G,H,J, 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 | SOURIAU DRG N° 8D025F11PAL-C | | SHEET 2/2 |