



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 : 42.43 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: 8D025Z29PBL**

|   |                                     |                                |                               |
|---|-------------------------------------|--------------------------------|-------------------------------|
| A   | 10-10-2016                          | First Release                  |                               |
| ISS   | DATE                                | Latest modification - by       | MOD N°                        |
| Designed By:  |                                     | Date:                          | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>  |                                     | Aluminium Receptacle 8D series |                               |
| SCALE   | NA                                  | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |
| <b>SOURIAU</b>  |                                     | <b>WWW.SOURIAU.COM</b>         |                               |
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| FORMAT  | <b>SOURIAU DRG N° 8D025Z29PBL-C</b> |                                | SHEET<br>1/2                  |

BASIC SERIES: 8D 0 - 25 Z 29 P B L

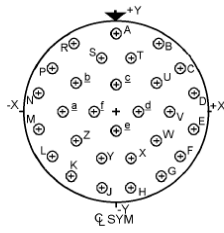
SHELL TYPE : Square Flange Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : B

SHELL SIZE : 25 CONTACT TYPE : PIN(500 Matings)

PLATING : Z = Black Zinc Nickel CONTACT LAYOUT : 25-29

Contact Layout



| Contacts<br>(Insert arrangement 25-29) |              |              |                     |             |             |
|--|--------------|--------------|---------------------|-------------|-------------|
| Contact position ID                    | Location     |              | Contact position ID | Location    |             |
|  | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +000 (0.00)  | +481 (12.22) | S                   | -091 (2.31) | +321 (8.15) |
| B                                      | +258 (6.55)  | +406 (10.31) | T                   | +091 (2.31) | +321 (8.15) |
| C                                      | +395 (10.03) | +277 (7.04)  | U                   | +228 (5.79) | +194 (4.93) |
| D                                      | +469 (11.91) | +109 (2.77)  | V                   | +319 (8.10) | +000 (0.00) |
| E                                      | -460 (11.91) | -100 (2.77)  | W                   | -240 (6.10) | -181 (4.60) |
| F                                      | +395 (10.03) | -277 (7.04)  | X                   | +091 (2.31) | -290 (7.37) |
| G                                      | +263 (6.68)  | -406 (10.31) | Y                   | -091 (2.31) | -290 (7.37) |
| H                                      | +091 (2.31)  | -472 (11.99) | Z                   | -240 (6.10) | -181 (4.60) |
| J                                      | -091 (2.31)  | -472 (11.99) | a                   | -319 (8.10) | +000 (0.00) |
| K                                      | -263 (6.68)  | -406 (10.31) | b                   | -228 (5.79) | +194 (4.93) |
| L                                      | -395 (10.03) | -277 (7.04)  | c                   | +000 (0.00) | +161 (4.09) |
| M                                      | -469 (11.91) | -109 (2.77)  | d                   | +134 (3.40) | +000 (0.00) |
| N                                      | -469 (11.91) | +109 (2.77)  | e                   | +000 (0.00) | -130 (3.30) |
| P                                      | -395 (10.03) | +277 (7.04)  | f                   | -134 (3.40) | +000 (0.00) |
| R                                      | -258 (6.55)  | +406 (10.31) | ---                 | ---         | ---         |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 25         | -29             | 29                 | 16            | I              | All              | MS20057-29 |

Panel Cutout



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

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| NA             |                                     |                                |   |
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