



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- 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 : 2000 hours
- Mass : 15.1 g ± 10%

| Connector dimension |             |
|---------------------|-------------|
| Dim                 | Nominal     |
| P                   | 3.25±0.2    |
| PP                  | 4.39±0.2    |
| R1                  | 24.61       |
| R2                  | 23.01       |
| S                   | 31±0.3      |
| V'                  | 19.5+1.4/-0 |
| W'                  | 2.1/3.65    |
| Z'                  | 32 Max      |
| VV THREAD           | M22x1-6g    |

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: 8D015M15PBL**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 12-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|              |                                       |  |  |
|--------------|---------------------------------------|--|--|
| <b>TITLE</b> | <b>Composite Receptacle 8D series</b> |  |  |
|--------------|---------------------------------------|--|--|

|       |  |                            |                 |
|-------|--|----------------------------|-----------------|
| SCALE |  | General linear Tolerances: | NPRDS / PROJECT |
| NA    |  | ±--                        | <b>859</b>      |

|                |                        |   |
|----------------|------------------------|---|
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|           |                                     |  |            |
|-----------|-------------------------------------|--|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D015M15PBL-C</b> |  | SHEET      |
| <b>A3</b> |                                     |  | <b>1/2</b> |

BASIC SERIES: 8D 0 - 15 M 15 P B L

SHELL TYPE : Square Flange Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : B

SHELL SIZE : 15 CONTACT TYPE : PIN(500 Matings)

PLATING : M = Nickel CONTACT LAYOUT : 15-15

Contact Layout



| Contacts<br>(Insert arrangement 15-15) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +100 (2.54) | +225 (5.72) | J                   | -244 (6.20) | +014 (0.36) |
| B                                      | +202 (5.13) | +140 (3.56) | K                   | -202 (5.13) | +140 (3.56) |
| C                                      | +244 (6.20) | +014 (0.36) | L                   | -100 (2.54) | +225 (5.72) |
| D                                      | +218 (5.54) | -113 (2.87) | M                   | +000 (0.00) | +140 (3.56) |
| E                                      | +126 (3.20) | -209 (5.31) | N                   | +110 (2.79) | +040 (1.02) |
| F                                      | +000 (0.00) | -245 (6.22) | P                   | +000 (0.00) | -077 (1.96) |
| G                                      | -126 (3.20) | -209 (5.31) | R                   | -110 (2.79) | +040 (1.02) |
| H                                      | -218 (5.54) | -113 (2.87) |                     |             |             |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 15         | -15             | 14                 | 20            | I              | P<br>All other   | MS20052-15 |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 26.59 min  |
| ØAA | 23.01 min  |
| R1  | 24.61      |
| ØT  | 3.25 ±0.13 |

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| NA             |                                       | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D015M15PBL-C</b>   |                            | SHEET 2/2   |