



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Olive drab Cadmium
- 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 : 15.29 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 25 Max   |
| Z                   | 31 Max   |
| VV THREAD           | M15x1-6g |

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: 8D511W99SEL**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 18-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|              |                                 |  |  |
|--------------|---------------------------------|--|--|
| <b>TITLE</b> | <b>Aluminium Plug 8D series</b> |  |  |
|--------------|---------------------------------|--|--|

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

|                |                        |  |
|----------------|------------------------|--|
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b> | This document is the property of SOURIAU<br>it must not be reproduced or communicated without permission |
|----------------|------------------------|--|

|           |                                     |            |
|-----------|-------------------------------------|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D511W99SEL-C</b> | SHEET      |
| <b>A3</b> |                                     | <b>1/2</b> |

|                |                         |   |   |    |   |    |   |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 11 | W | 99 | S | E | L | Delivered W/O Contacts             |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   |   | ORIENTATION : E                    |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| SHELL SIZE :   | 11                      |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 11-99             |
| PLATING :      | W = Olive drab Cadmium  |   |   |    |   |    |   |   |   |                                    |

Contact Layout



| Contacts<br>(Insert arrangement 11-99) |             |             |
|--|-------------|-------------|
| Contact position ID                    | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |
| A                                      | +065 (1.65) | +113 (2.87) |
| B                                      | +130 (3.30) | +000 (0.00) |
| C                                      | +065 (1.65) | -113 (2.87) |
| D                                      | -065 (1.65) | -113 (2.87) |
| E                                      | -130 (3.30) | +000 (0.00) |
| F                                      | -065 (1.65) | +113 (2.87) |
| G                                      | +000 (0.00) | +000 (0.00) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 11         | -99             | 7                  | 20            | I              | All              | MS20050-99 |

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: 8D511W99SEL

|                |                                     |                            |   |
|----------------|-------------------------------------|----------------------------|---|
| A              | 18-10-2016                          | First Release              |   |
| ISS            | DATE                                | Latest modification - by   | MOD N°  |
| Designed By:   |                                     | Date:                      | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | Aluminium Plug 8D series            |                            |   |
| SCALE          |                                     | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                     | ±--                        | <b>859</b>  |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>              |                            | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT         | <b>SOURIAU DRG N° 8D511W99SEL-C</b> |                            | SHEET<br>2/2  |