



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 : 28.21 g ± 10%

| Connector dimension | |
|---------------------|---------------|
| Dim | Nominal |
| P | 3.25±0.2 |
| PP | 4.93±0.2 |
| R1 | 26.97 |
| R2 | 24.61 |
| S | 33.3±0.3 |
| V | 20.83+0/-1.25 |
| W | 2.1/2.5 |
| Z | 31.5 Max |
| VV THREAD | M25x1-6g |

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.)

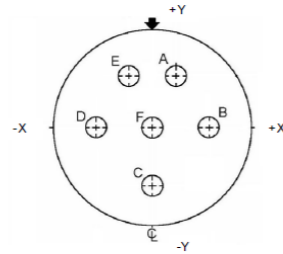
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|---------|-----------------------------|
| Country | Jurisdiction & Control List |
| FR | Not Listed |

PN: 8D017F06SCL

| | | | | |
|----------------|-----------|--------------------------------|-------------------------------|---|
| B | 09-04-17 | Drawing Update | | |
| 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° 8D017F06SCL-C |
| | | | | SHEET 1/2 |

| | | | | | | | | | | |
|----------------|--------------------------|---|---|----|------------------------------------|----|---|---|---|------------------------|
| BASIC SERIES: | 8D | 0 | - | 17 | F | 06 | S | C | L | Delivered W/O Contacts |
| SHELL TYPE : | Square Flange Receptacle | | | | ORIENTATION : C | | | | | |
| CONTACT TYPE : | Standard Crimp Contact | | | | CONTACT TYPE : SOCKET(500 Matings) | | | | | |
| SHELL SIZE : | 17 | | | | CONTACT LAYOUT : 17-06 | | | | | |
| PLATING : | F = Nickel | | | | | | | | | |

Contact Layout



| Contacts (Insert arrangement 17-6) | | |
|---------------------------------------|-------------|-------------|
| Contact position ID | Location | |
| | X-axis (mm) | Y-axis (mm) |
| A | +121 (3.07) | +209 (5.31) |
| B | +241 (6.12) | +000 (0.00) |
| C | +000 (0.00) | -241 (6.12) |
| D | -241 (6.12) | +000 (0.00) |
| E | -121 (3.07) | +209 (5.31) |
| F | +000 (0.00) | +000 (0.00) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 17 | -6 | 6 | 12 | I | All | MS20053-6 |

Panel Cutout



Max. thickness panel for receptacle: Type 0: front mounting = 3.2 mm, rear mounting = 2.5 mm

| Dim | Nominal |
|-----|------------|
| ØA | 30.96 min |
| ØAA | 25.81 min |
| R1 | 26.97 |
| ØT | 3.25 ±0.13 |

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| SCALE | | General linear Tolerances: | NPRDS / PROJECT |
| NA | | ±-- | 859 |
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| FORMAT | SOURIAU DRG N° 8D017F06SCL-C | | SHEET 2/2 |