

# Receptacle with flange

Series GS

Item number: GS321-18-11SN-EAA

Packing unit: 1



## MECHANICAL PROPERTIES

|                                           |                |
|-------------------------------------------|----------------|
| Size:                                     | 18             |
| Contact type:                             | Socket         |
| Number of coding options:                 | 2              |
| Number of contacts:                       | 5              |
| Number of contacts, size 12:              | 5              |
| Shell material:                           | Aluminum alloy |
| Surface:                                  | Zinc           |
| Type of surface:                          | Passivated     |
| Thickness of surface treatment [ $\mu$ ]: | 12-15 $\mu$    |
| Surface colour:                           | Black          |
| Corrosion resistance [h]:                 | 200            |
| Operation temperature [°C]:               | -55 - +90      |
| Temperature shock [°C]:                   | -55 - +125     |

## MECHANICAL PROPERTIES

|                               |          |
|-------------------------------|----------|
| Conductivity (MΩ):            | ≤ 0.5    |
| EMI:                          | Yes      |
| Coupling-torque to lock [Nm]: | max. 4.0 |
| Coupling-torque to open [Nm]: | min. 1.0 |

## THERMAL PROPERTIES

|                                    |                       |
|------------------------------------|-----------------------|
| Material contact insert:           | Ethylene acrylate GXF |
| Operating temperature insert [°C]: | -55 - +150            |

## ELECTRICAL PROPERTIES

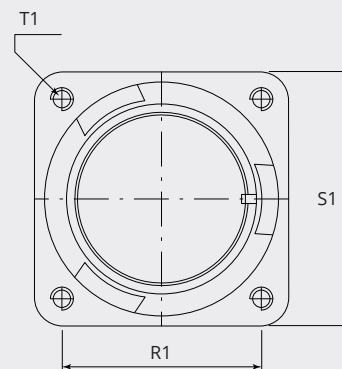
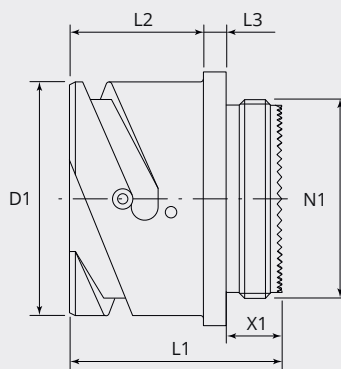
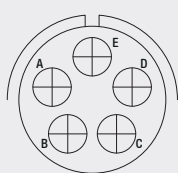
|                                    |               |
|------------------------------------|---------------|
| Operating voltage AC [V]:          | 130/250       |
| Insulation resistance (mΩ):        | ≥ 5000        |
| Voltage class:                     | SEV-EN60998-1 |
| Contact numbers:                   | All           |
| Operating voltage DC [V]:          | 700           |
| Operating voltage AC [V]:          | 500           |
| Test voltage AC [V]:               | 2000          |
| Insulation resistance (mΩ):        | ≥ 5000        |
| Insulation creepage distance [mm]: | ≥ 3.2         |
| Voltage index:                     | MIL-DTL-5015  |

## ELECTRICAL PROPERTIES CONTACTS

|                                             |    |
|---------------------------------------------|----|
| Size 12 - rated current (continuous) [A]:   | 23 |
| Size 12 - maximum current (short-term) [A]: | 41 |
| Size 12 - test current [A]:                 | 35 |

|                                   |         |
|-----------------------------------|---------|
| Fire protection class EN 45545-2: | R23/HL3 |
|-----------------------------------|---------|

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 31   |
| L1 [mm]:   | 38.8 |
| L2 [mm]:   | 23.1 |

## DIMENSIONS

|          |               |
|----------|---------------|
| L3 [mm]: | 4.0           |
| N1:      | 1"-20 UNEF 2A |
| T1 [mm]: | 3.2           |
| X1 [mm]: | 9.0           |
| S1 [mm]: | 35            |
| R1 [mm]: | 27            |

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- Please contact your Gimota partner for other shell materials, surface coatings or contact insert materials.
  - Voltage classes tested acc. MIL-DTL-5015 Power transmission verification acc. VG95234 / 2 test 5.10.1 and VG95210 / 37
  - Corrosion resistance tested acc. MIL 1344A Test 101.1 Temperature shock tested acc. MIL 202F, 107G Method
  - Electrical conductivity acc. MIL 1344A, Test 3007