

# Receptacle with flange

Series GS

Item number: GS321-22-23PN-EAA

Packing unit: 1



## MECHANICAL PROPERTIES

|                                           |                |
|-------------------------------------------|----------------|
| Size:                                     | 22             |
| Contact type:                             | Pin            |
| Number of coding options:                 | 2              |
| Number of contacts:                       | 8              |
| Number of contacts, size 12:              | 8              |
| 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):  $\leq 0.5$

EMI: Yes

Coupling-torque to lock [Nm]: max. 6.0

Coupling-torque to open [Nm]: min. 1.5

## THERMAL PROPERTIES

Material contact insert: Ethylene acrylate GXF

Operating temperature insert [°C]: -55 - +150

## ELECTRICAL PROPERTIES

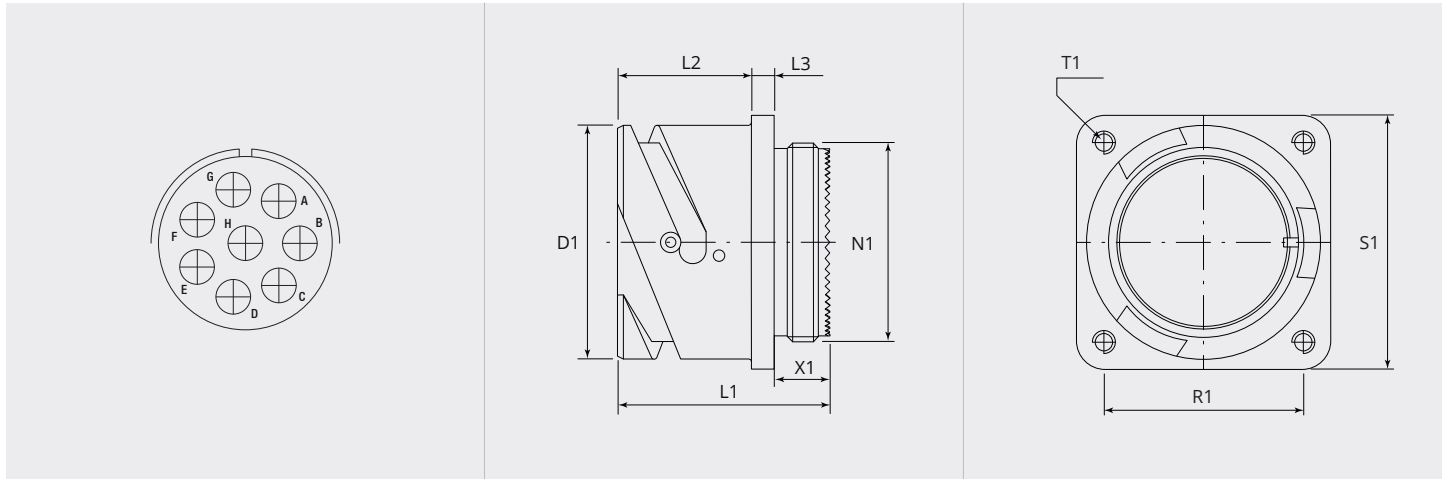
|                                    |              |
|------------------------------------|--------------|
| Contact numbers:                   | H            |
| Operating voltage DC [V]:          | 1250         |
| Operating voltage AC [V]:          | 900          |
| Test voltage AC [V]:               | 2800         |
| Insulation resistance (mΩ):        | ≥ 5000       |
| Insulation creepage distance [mm]: | ≥ 4.8        |
| Voltage class:                     | MIL-DTL-5015 |
| Contact numbers:                   | Rest         |
| 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]: | 37.4              |
| L1 [mm]:   | 38.8              |
| L2 [mm]:   | 23.1              |
| L3 [mm]:   | 4.0               |
| N1:        | 1 1/4"-18 UNEF 2A |
| T1 [mm]:   | 3.2               |
| X1 [mm]:   | 9.0               |
| S1 [mm]:   | 41                |
| R1 [mm]:   | 31.8              |

- 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