



# Receptacle, front panel mount

## Series GB

Item number: GB211-14S-2SN-EAE-A01

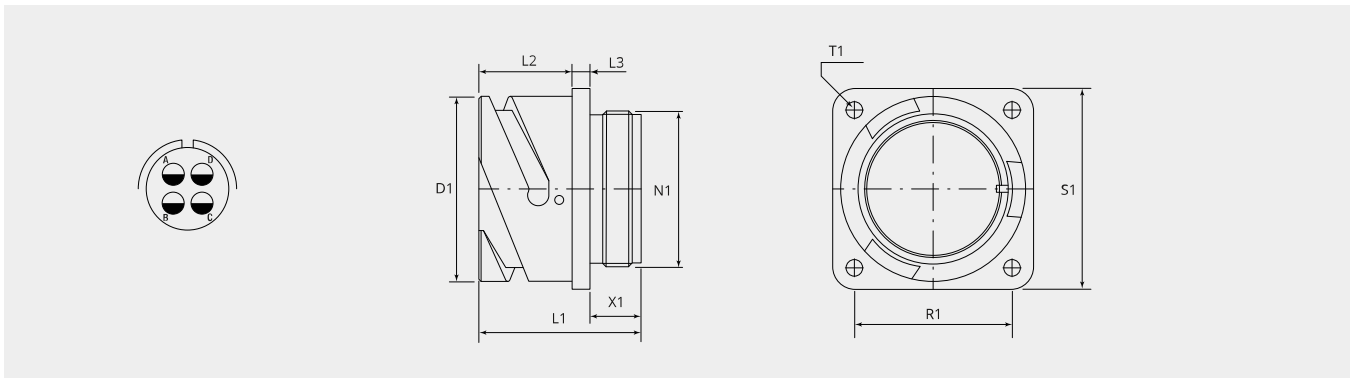
Packing unit: 1

## Mechanical properties

|                                 |                    |
|---------------------------------|--------------------|
| Size:                           | 14S                |
| Contact type:                   | Socket             |
| Coding options:                 | 2                  |
| Shell material:                 | Aluminum alloy     |
| Surface treatment:              | Electroless nickel |
| Thickness of surface treatment: | 12-15μ             |
| Surface colour:                 | blank              |
| Corrosion resistance (h):       | 48                 |
| Operation temperature:          | -55°C - +125°C     |
| Conductivity (MΩ):              | ≤ 0.5              |
| EMI:                            | Yes                |
| Coupling-torque to lock (Nm):   | max. 1.8           |
| Coupling-torque to open (Nm):   | min. 0.55          |

## Thermal properties

|                                       |                       |
|---------------------------------------|-----------------------|
| Material contact insert:              | Ethylene acrylate GXF |
| Operating temperature:                | -55°C - +150°C        |
| Fire protection class DIN EN 45545-2: | R23/HL3               |



## Dimensional drawing

|                 |                 |
|-----------------|-----------------|
| <b>D1 (Ø):</b>  | 27.4            |
| <b>L1 (mm):</b> | 30.0            |
| <b>L2 (mm):</b> | 18.2            |
| <b>L3 (mm):</b> | 3.2             |
| <b>N1:</b>      | 3/4"-20 UNEF 2A |
| <b>T1 (mm):</b> | M3              |
| <b>X1 (mm):</b> | 9.0             |
| <b>S1 (mm):</b> | 30.2            |
| <b>R1 (mm):</b> | 23.0            |

## Electrical properties

|                                           |              |
|-------------------------------------------|--------------|
| <b>Operating voltage DC (V):</b>          | 250          |
| <b>Operating voltage AC (V):</b>          | 200          |
| <b>Test voltage AC (V):</b>               | 1000         |
| <b>Insulation resistance (Ω m):</b>       | ≥ 5000       |
| <b>Insulation creepage distance (mm):</b> | ≥ 1.6        |
| <b>Voltage class:</b>                     | MIL-DTL-5015 |

## Electrical properties contacts

|                                        |    |
|----------------------------------------|----|
| <b>Size 16S - nominal current (A):</b> | 13 |
| <b>Size 16S - maximal current (A):</b> | 22 |
| <b>Size 16S - test current (A):</b>    | 20 |

**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

## Complementary products:

### Counterpart:



#### **GB601-14S-2PN-EAE**

Plug with bayonet coupling nut, for EMI applications

### Backshell:



#### **EC-14-05-AE**

EMI adapter with shielding sleeve



#### **EC-14-06-AE**

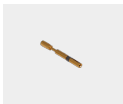
EMI adapter with shielding sleeve



#### **EC-14-09-AE**

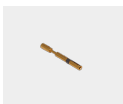
EMI adapter with shielding sleeve

### Contacts:



#### **10-40552-05AU**

Socket contact size 16S, 0.25 - 0.5mm<sup>2</sup>



#### **10-40552AU**

Socket contact size 16S, 0.75 - 1.5mm<sup>2</sup>

### Protection cap:



#### **PR14S-D**

Plastic protection cap to bayonet receptacles (GB, GR & GS)

**Accessory:**



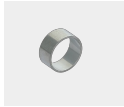
**FTH08-04**

Heatshrinkable shape, straight, with adhesive



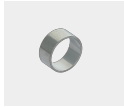
**FTH11-06**

Heatshrinkable shape, straight, with adhesive



**SUGSC297**

Shielding sleeve suitable for



**SUGSC500**

Shielding sleeve suitable for