



# Plug with rubber coated coupling nut, for EMI applications

Series GR

Item number: GR604-10SL-3SN-EAA

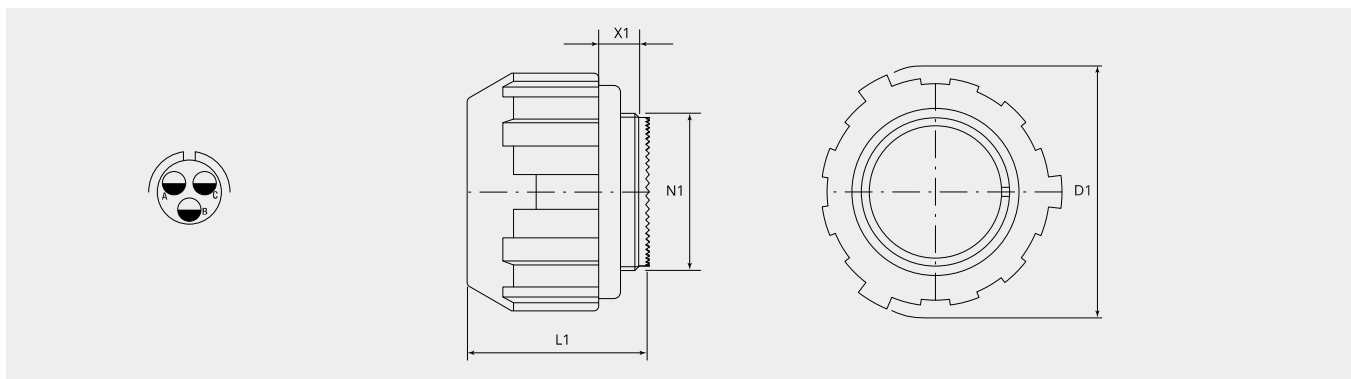
Packing unit: 1

## Mechanical properties

|                                 |                |
|---------------------------------|----------------|
| Size:                           | 10SL           |
| Contact type:                   | Socket         |
| Shell material:                 | Aluminum alloy |
| Surface treatment:              | Zinc           |
| Type of surface:                | passivated     |
| Thickness of surface treatment: | 12-15μ         |
| Surface colour:                 | black          |
| Corrosion resistance (h):       | 200            |
| Operation temperature:          | -55°C - +90°C  |
| Temperature shock:              | -55°C - +125°C |
| Conductivity (MΩ):              | ≤ 0.5          |
| EMI:                            | Yes            |
| Coupling-torque to lock (Nm):   | max. 1.7       |
| Coupling-torque to open (Nm):   | min. 0.45      |

## 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>  | 33.5            |
| <b>L1 (mm):</b> | 28.0            |
| <b>N1:</b>      | 5/8"-24 UNEF 2A |
| <b>X1 (mm):</b> | 9.0             |

## Electrical properties

|                                                       |              |
|-------------------------------------------------------|--------------|
| <b>Operating voltage DC (V):</b>                      | 700          |
| <b>Operating voltage AC (V):</b>                      | 500          |
| <b>Test voltage AC (V):</b>                           | 2000         |
| <b>Insulation resistance (<math>\Omega</math> m):</b> | $\geq 5000$  |
| <b>Insulation creepage distance (mm):</b>             | $\geq 3.2$   |
| <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:



#### **GR11-10SL-3PN-EAA**

Cable receptacle



#### **GR321-10SL-3PN-EAA**

Receptacle with flange

### Backshell:



#### **BEN10-M1B-AA**

90° elbow backshell with internal metric thread



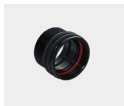
#### **BSH10-AA**

Backshell with groove for heatshrinkable shapes



#### **BSL10-AA**

Backshell straight, long



#### **BSN10-AA**

Backshell straight, standard



#### **BSN10-M1B-AA**

Backshell straight with internal metric thread



#### **BST10-AA**

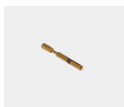
Termination back shell typ R for grommet



#### **ET-10-02-AA**

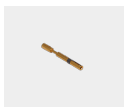
EMI adapter with cone ring, for heatshrinkable shape

### Contacts:



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

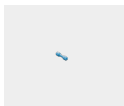
Socket contact size 16S, 0.25 - 0.5mm<sup>2</sup>



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

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

### Filler plugs:



#### **10-101033-121**

Filler plug, size 16/16S

**Protection cap:**



**PP10SL-AA**

Metallic protection cap to bayonet plug (GB,GR & GS)



**PP10SL-D**

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