



# Plug with rubber coated coupling nut

## Series GR

Item number: GR602-28-12SN-EAA

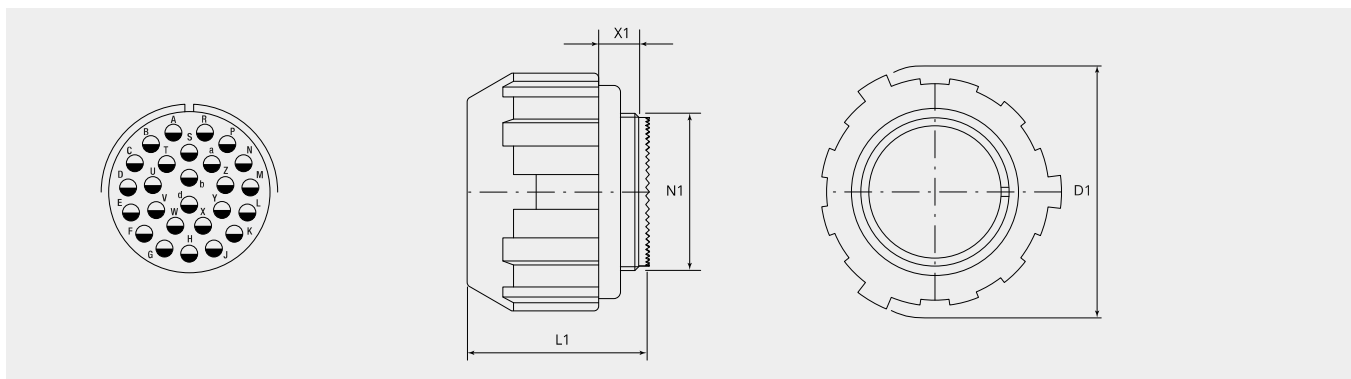
Packing unit: 1

## Mechanical properties

|                                 |                |
|---------------------------------|----------------|
| Size:                           | 28             |
| Contact type:                   | Socket         |
| Coding options:                 | 3              |
| Number of contacts, size 16:    | 26             |
| 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          |
| Coupling-torque to lock (Nm):   | max. 7.0       |
| Coupling-torque to open (Nm):   | min. 2.7       |

## 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>  | 67.0              |
| <b>L1 (mm):</b> | 39.0              |
| <b>N1:</b>      | 1 5/8"-18 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 (Ω m):</b>       | ≥ 5000       |
| <b>Insulation creepage distance (mm):</b> | ≥ 3.2        |
| <b>Voltage class:</b>                     | MIL-DTL-5015 |

## Electrical properties contacts

|                                                    |    |
|----------------------------------------------------|----|
| <b>Size 16 - nominal current [continuous] (A):</b> | 13 |
| <b>Size 16 - maximal current [short-term] (A):</b> | 22 |
| <b>Size 16 - 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:



#### **GR11-28-12PN-EAA**

Cable receptacle



#### **GR321-28-12PN-EAA**

Receptacle with flange



#### **GR72-28-12PN-EAA**

Jam nut receptacle

### Backshell:



#### **BEN28-AA**

90° elbow backshell



#### **BEN28-M5B-AA**

90° elbow backshell with internal metric thread



#### **BSH28-AA**

Backshell with groove for heatshrinkable shapes



#### **BSL28-AA**

Backshell straight, long



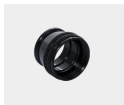
#### **BSN28-AA**

Backshell straight, standard



#### **BSN28-M5B-AA**

Backshell straight with internal metric thread



#### **BST28-AA**

Termination back shell typ R for grommet



#### **ET-28-08-AA**

EMI adapter with cone ring, for heatshrinkable shape

#### Contacts:



##### 10-40556-05AU

Socket contact size 16, 0.25 - 0.5mm²



##### 10-40556-075AU

Socket contact size 16, 0.75mm²



##### 10-40556-20-1AU

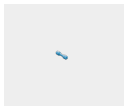
Socket contact size 16, 1.5mm²



##### 10-40556AU

Socket contact size 16, 1.0mm²

#### Filler plugs:



##### 10-101033-121

Filler plug, size 16/16S

#### Protection cap:



##### PP28-AA

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



##### PP28-D

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