



# Plug with rubber coated coupling nut, for EMI applications

Series GS

Item number: GS604-32-1SN-EAA

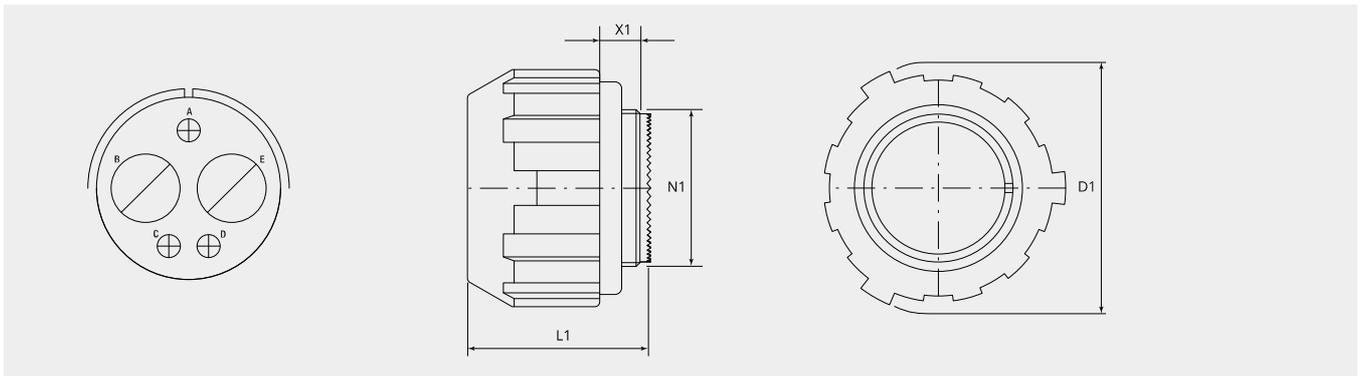
Packing unit: 1

## Mechanical properties

|                                 |                |
|---------------------------------|----------------|
| Size:                           | 32             |
| Contact type:                   | Socket         |
| Coding options:                 | 4              |
| Number of contacts, size 0:     | 2              |
| Number of contacts, size 12:    | 3              |
| Shell material:                 | Aluminum alloy |
| Surface treatment:              | Zinc           |
| Type of surface:                | passivated     |
| Thickness of surface treatment: | 12-15 $\mu$    |
| Surface colour:                 | black          |
| Corrosion resistance (h):       | 200            |
| Operation temperature:          | -55°C - +90°C  |
| Temperature shock:              | -55°C - +125°C |
| Conductivity (M $\Omega$ ):     | $\leq 0.5$     |
| EMI:                            | Yes            |
| Coupling-torque to lock (Nm):   | max. 8.0       |
| Coupling-torque to open (Nm):   | min. 3.6       |

## 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>  | 76.0            |
| <b>L1 (mm):</b> | 41.0            |
| <b>N1:</b>      | 1 7/8"-16 UN 2A |
| <b>X1 (mm):</b> | 10.5            |

## Electrical properties

|   |              |
|---|--------------|
| <b>Contact numbers:</b>                   | A            |
| <b>Operating voltage DC (V):</b>          | 1750         |
| <b>Operating voltage AC (V):</b>          | 1250         |
| <b>Test voltage AC (V):</b>               | 3500         |
| <b>Insulation resistance (Ω m):</b>       | ≥ 5000       |
| <b>Insulation creepage distance (mm):</b> | ≥ 6.3        |
| <b>Voltage class:</b>                     | MIL-DTL-5015 |
| <b>Contact numbers:</b>                   | Rest         |
| <b>Operating voltage DC (V):</b>          | 1250         |
| <b>Operating voltage AC (V):</b>          | 900          |
| <b>Test voltage AC (V):</b>               | 2800         |
| <b>Insulation resistance (Ω m):</b>       | ≥ 5000       |
| <b>Insulation creepage distance (mm):</b> | ≥ 4.8        |
| <b>Voltage class:</b>                     | MIL-DTL-5015 |

## Electrical properties contacts

|                                |     |
|--------------------------------|-----|
| Size 0 - nominal current (A):  | 150 |
| Size 0 - maximal current (A):  | 245 |
| Size 0 - test current (A):     | 200 |
| Size 0* - nominal current (A): | 240 |
| Size 0* - maximal current (A): | 200 |
| Size 0* - test current (A):    | 245 |
| Size 12 - nominal current (A): | 23  |
| Size 12 - maximal current (A): | 41  |
| Size 12 - test current (A):    | 35  |

**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:



#### **GS11-32-1PN-EAA**

Cable receptacle



#### **GS321-32-1PN-EAA**

Receptacle with flange



#### **GS72-32-1PN-EAA**

Jam nut receptacle

**Backshell:**

**BEN32-AA**  
90° elbow backshell



**BEN32-M6B-AA**  
90° elbow backshell with internal metric thread



**BSE32-36-AA**  
Enlarger back shell



**BSH32-AA**  
Backshell with groove for heatshrinkable shapes



**BSL32-AA**  
Backshell straight, long



**BSN32-AA**  
Backshell straight, standard



**BSN32-M6B-AA**  
Backshell straight with internal metric thread



**BSR32-18-AA**  
Reducer backshell



**BST32-AA**  
Termination back shell typ R for grommet



**ET-32-10-AA**  
EMI adapter with cone ring, for heatshrinkable shape

**Cable termination:**

**10-350349K-323**  
Synthetic cable clamp

**Contacts:****10-40560-11AU**Socket contact size 12, 0.5mm<sup>2</sup>**10-40560-15AU**Socket contact size 12, 0.75 - 1.0mm<sup>2</sup>**10-40560-18AU**Socket contact size 12, 1.5mm<sup>2</sup>**10-40560-22AU**Socket contact size 12, 2.5mm<sup>2</sup>**10-40560-30AU**Socket contact size 12, 4.0mm<sup>2</sup>**10-40560-38AU**Socket contact size 12, 6.0mm<sup>2</sup>**10-903-0-162G62**Socket contact size 0, 16mm<sup>2</sup>**10-903-0-252G76**Socket contact size 0, 25mm<sup>2</sup>**10-903-0-352G89**Socket contact size 0, 35mm<sup>2</sup>**10-903-0-502G10**Socket contact size 0, 50mm<sup>2</sup>**10-905-0-162G62**Socket contact size 0\*, 16mm<sup>2</sup>**10-905-0-252G76**Socket contact size 0\*, 25mm<sup>2</sup>**10-905-0-352G89**Socket contact size 0\*, 35mm<sup>2</sup>**10-905-0-502G10**Socket contact size 0\*, 50mm<sup>2</sup>

**Filler plugs:**

**10-101033-0**  
Filler plug, size 0



**10-101033-131**  
Filler plug, size 12

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**Protection cap:**

**PP32-AA**  
Metallic protection cap to bayonet plug (GB, GR & GS)



**PP32-D**  
Plastic protection cap to bayonet plugs (GB, GR & GS)