



Jam nut receptacle

Series GR

Item number: GR72-24-A28PN-EAA

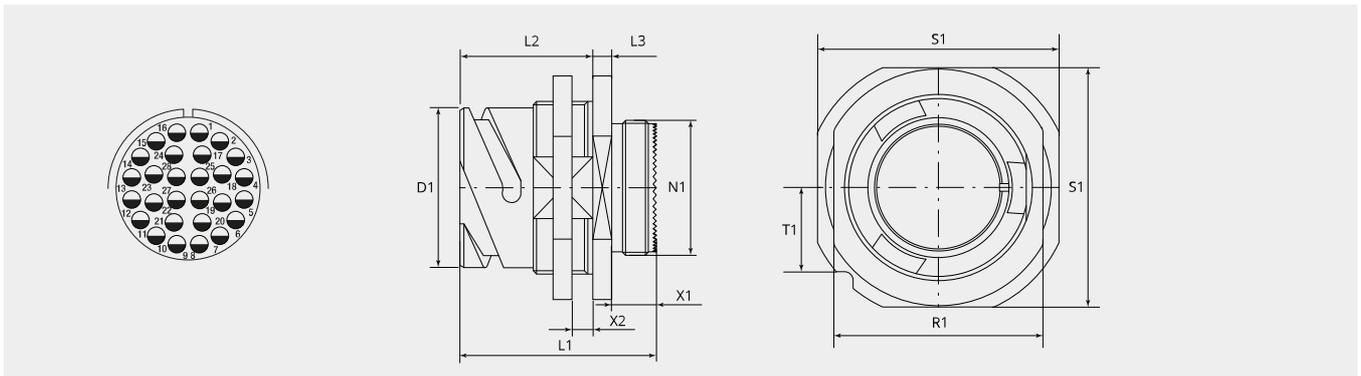
Packing unit: 1

Mechanical properties

| | |
|---------------------------------|----------------|
| Size: | 28 |
| Contact type: | Pin |
| Coding options: | 3 |
| Number of contacts, size 16: | 28 |
| Shell material: | Aluminum alloy |
| Surface treatment: | Zinc |
| Type of surface: | passivated |
| Thickness of surface treatment: | 12-15 μ |
| Surface colour: | black |
| Corrosion resistance (h): | 200 |
| Operation temperature: | -55°C - +90°C |
| Temperature shock: | -55°C - +125°C |
| Conductivity (M Ω): | \leq 0.5 |
| EMI: | Yes |
| 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

| | |
|-----------------|-------------------|
| D1 (Ø): | 46.7 |
| L1 (mm): | 52.0 |
| L2 (mm): | 35.2 |
| L3 (mm): | 5.6 |
| N1: | 1 5/8"-18 UNEF 2A |
| T1 (mm): | 22.5 |
| X1 (mm): | 9.0 |
| X2 (mm): | 2.4- 8.5 |
| S1 (mm): | 63.5 |
| R1 (mm): | 55.0 |

Electrical properties

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

Electrical properties contacts

| | |
|----------------------------------------------------|----|
| Size 16 - nominal current [continuous] (A): | 13 |
| Size 16 - maximal current [short-term] (A): | 22 |
| Size 16 - test current (A): | 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:



GR60-24-A28SN-EAA

Plug with bayonet coupling nut



GR601-24-A28SN-EAA

Plug with bayonet coupling nut, for EMI applications

Backshell:



BEN28-AA

90° elbow backshell



BEN28-M5B-AA

90° elbow backshell with internal metric thread



BSL28-AA

Backshell straight, long



BSN28-AA

Backshell straight, standard



BSN28-M5B-AA

Backshell straight with internal metric thread



BST28-AC

Termination back shell type R for grommets



ET-28-08-AA

EMI adapter with cone ring, for heatshrinkable shape

Contacts:



10-40557-05AU

Pin contact size 16, 0.25 -0.5mm²



10-40557-075AU

Pin contact size 16, 0.75mm²



10-40557-20-1AU

Pin contact size 16, 1.5mm²



10-40557AU

Pin contact size 16, 1.0mm²

Filler plugs:



10-101033-121

Filler plug, size 16/16S

Protection cap:



PR28-AC

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



PR28-D

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