



Receptacle with flange

Series GS

Item number: GS321-22-22PN-EAA

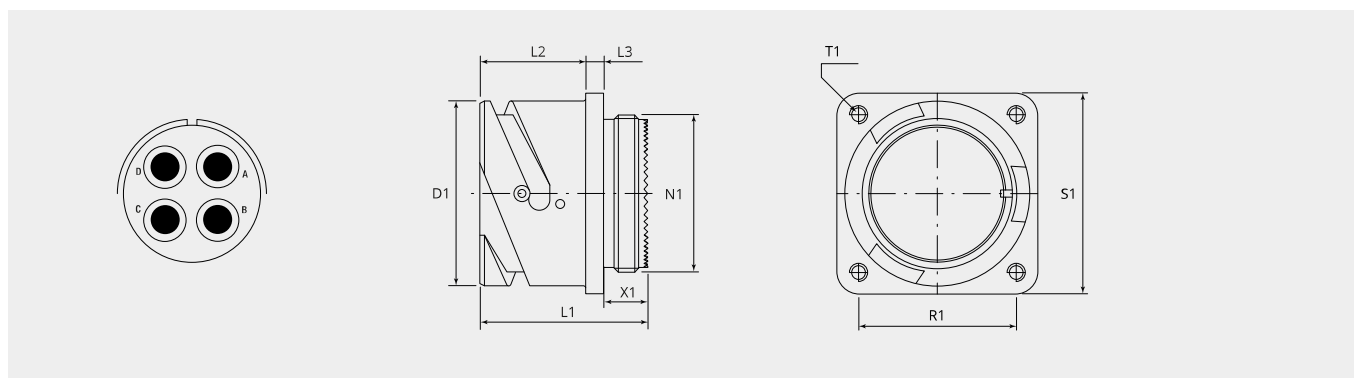
Packing unit: 1

Mechanical properties

Size:	22
Contact type:	Pin
Coding options:	3
Number of contacts, size 8H:	4
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. 6.0
Coupling-torque to open (Nm):	min. 1.5

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):	37.4
L1 (mm):	38.8
L2 (mm):	23.1
L3 (mm):	4.0
N1:	1 1/4"-18 UNEF 2A
T1 (mm):	3.2
X1 (mm):	9.0
S1 (mm):	41.0
R1 (mm):	31.8

Electrical properties

Operating voltage DC (V):	700
Operating voltage AC (V):	500
Test voltage AC (V):	2000
Insulation resistance (Ω m):	≥ 5000
Insulation creepage distance (mm):	≥ 3.2
Voltage class:	MIL-DTL-5015

Electrical properties contacts

Size 8H - nominal current (A):	56
Size 8H - maximal current (A):	90
Size 8H - test current (A):	72

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:



GS60-22-22SN-EAA

Plug with bayonet coupling nut



GS601-22-22SN-EAA

Plug with bayonet coupling nut, for EMI applications



GS602-22-22SN-EAA

Plug with rubber coated coupling nut



GS604-22-22SN-EAA

Plug with rubber coated coupling nut, for EMI applications

Backshell:



BEN22-AA

90° elbow backshell



BEN22-M4B-AA

90° elbow backshell with internal metric thread



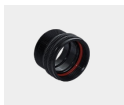
BSH22-AA

Backshell with groove for heatshrinkable shapes



BSL22-AA

Backshell straight, long



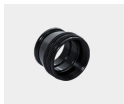
BSN22-AA

Backshell straight, standard



BSN22-M5B-AA

Backshell straight with internal metric thread



BST22-AA

Termination back shell typ R for grommet



ET-22-06-AA

EMI adapter with cone ring, for heatshrinkable shape

Contacts:



10-40794-18AG

Pin contact size 8H, 1.5mm²



10-40794-22AG

Pin contact size 8H, 2.5mm²



10-40794-38AG

Pin contact size 8H, 6mm²



10-40794-50AG

Pin contact size 8H, 10mm²

Filler plugs:



10-101033-141

Filler plug, size 8H

Protection cap:

**PR22-AA**

Metallic protection cap for bayonet receptacles (GB, GR & GS)

**PR22-D**

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

Accessory:

**10-40450-22**

Sealing gasket for receptacle, front panel mount

**10-40450-22S**

Sealing gasket for receptacle, front panel mount, conductive

**10-40451-22**

Sealing gasket for receptacle, rear panel mount

**10-40451-22S**

Sealing gasket for receptacle, rear panel mount, conductive