



# Receptacle, front panel mount

Series GB

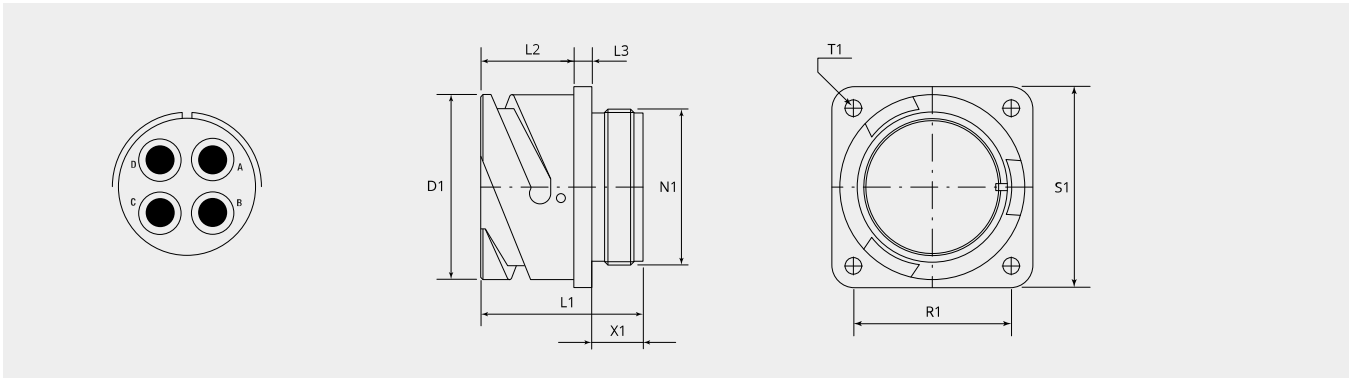
Item number: GB210-22-22PN-EAC

## Mechanical properties

Size:	22
Contact type:	Pin
Coding options:	3
Number of contacts, size 8H:	4
Shell material:	Aluminum alloy
Surface treatment:	Epoxy-polyurethane
Type of surface:	varnished
Thickness of surface treatment:	13-16 $\mu$
Surface colour:	black
Corrosion resistance (h):	500
Operation temperature:	-55°C - +125°C
Temperature shock:	-55°C - +125°C
Conductivity (M $\Omega$ ):	non conductive
EMI:	No
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

<b>D1 (∅):</b>	37.4
<b>L1 (mm):</b>	34.3
<b>L2 (mm):</b>	19.0
<b>L3 (mm):</b>	4.0
<b>N1:</b>	1 1/4"-18 UNEF 2A
<b>T1 (mm):</b>	3.2
<b>X1 (mm):</b>	9.0
<b>S1 (mm):</b>	41.0
<b>R1 (mm):</b>	31.8

## 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 8H - nominal current (A):</b>	56
<b>Size 8H - maximal current (A):</b>	90
<b>Size 8H - test current (A):</b>	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:



#### **GB60-22-22SN-EAC**

Plug with bayonet coupling nut

### Backshell:



#### **BEN22-AC**

90° elbow back shell



#### **BEN22-M4B-AC**

90° elbow back shell with internal metric thread



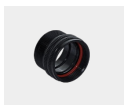
#### **BSH22-AC**

Back shell with groove for heatshrinkable shapes



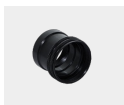
#### **BSL22-AC**

Back shell straight, long



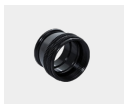
#### **BSN22-AC**

Back shell straight, standard



#### **BSN22-M5B-AC**

Back shell straight with internal metric thread



#### **BST22-AC**

Termination back shell type R for grommets

**Contacts:****10-40794-18AG**Pin contact size 8H, 1.5mm<sup>2</sup>**10-40794-22AG**Pin contact size 8H, 2.5mm<sup>2</sup>**10-40794-38AG**Pin contact size 8H, 6mm<sup>2</sup>**10-40794-50AG**Pin contact size 8H, 10mm<sup>2</sup>**Filler plugs:****10-101033-141**

Filler plug, size 8H

**Protection cap:****PR22-AC**

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

**PR22-D**

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