



Receptacle with flange

Series GS

Item number: GS321-22-22PN-EAA

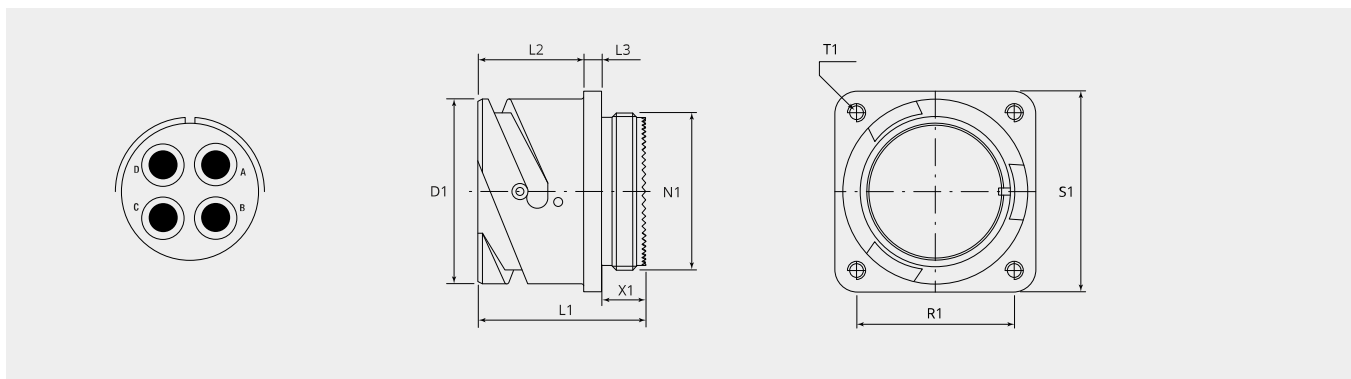
Packing unit: 1

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