



Receptacle with flange

Series GS

Item number: GS321-18-10PN-EAA

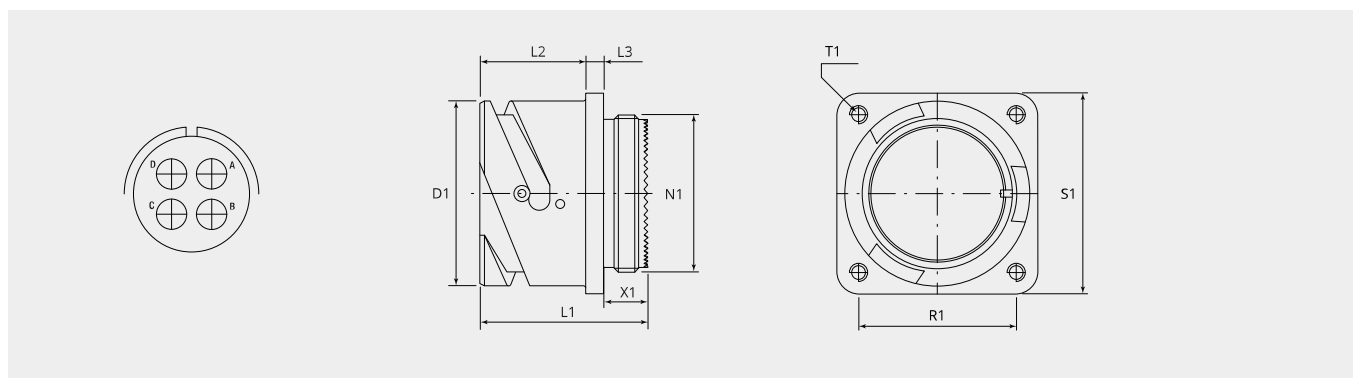
Packing unit: 1

Mechanical properties

Size:	18
Contact type:	Pin
Coding options:	2
Number of contacts, size 12:	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. 4.0
Coupling-torque to open (Nm):	min. 1.0

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):	31.0
L1 (mm):	38.8
L2 (mm):	23.1
L3 (mm):	4.0
N1:	1"-20 UNEF 2A
T1 (mm):	3.2
X1 (mm):	9.0
S1 (mm):	35.0
R1 (mm):	27.0

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 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