

Receptacle with flange

Series GS

Item number: GS321-32-1SN-EAA

Packing unit: 1



MECHANICAL PROPERTIES

Size:	32
Contact type:	Socket
Number of coding options:	4
Number of contacts:	5
Number of contacts, size 0:	2
Number of contacts, size 12:	3
Shell material:	Aluminum alloy
Surface:	Zinc
Type of surface:	Passivated
Thickness of surface treatment [μ]:	12-15 μ
Surface colour:	Black
Corrosion resistance [h]:	200
Operation temperature [°C]:	-55 - +90

MECHANICAL PROPERTIES

Temperature shock [°C]: -55 - +125

Conductivity (MΩ): ≤ 0.5

EMI: Yes

Coupling-torque to lock [Nm]: max. 8.0

Coupling-torque to open [Nm]: min. 3.6

THERMAL PROPERTIES

Material contact insert: Ethylene acrylate GXF

Operating temperature insert [°C]: -55 - +150

ELECTRICAL PROPERTIES

Contact numbers:	A
Operating voltage DC [V]:	1750
Operating voltage AC [V]:	1250
Test voltage AC [V]:	3500
Insulation resistance (mΩ):	≥ 5000
Insulation creepage distance [mm]:	≥ 6.3
Voltage class:	MIL-DTL-5015
Contact numbers:	Rest
Operating voltage DC [V]:	1250
Operating voltage AC [V]:	900
Test voltage AC [V]:	2800
Insulation resistance (mΩ):	≥ 5000
Insulation creepage distance [mm]:	≥ 4.8
Voltage index:	MIL-DTL-5015

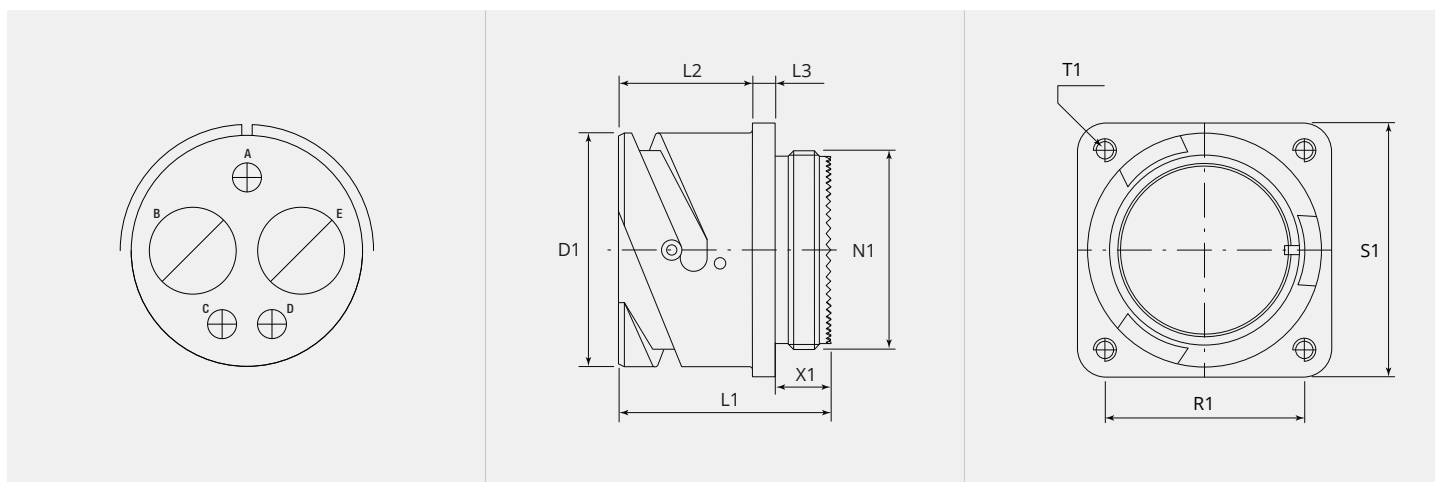
ELECTRICAL PROPERTIES CONTACTS

Size 0 - rated current (continuous) [A]:	150
Size 0 - maximum current (short-term) [A]:	245
Size 0 - test current [A]:	200
Size 0* - rated current (continuous) [A]:	200
Size 0* - maximum current (short-term) [A]:	300
Size 0* - test current [A]:	240
Size 12 - rated current (continuous) [A]:	23
Size 12 - maximum current (short-term) [A]:	41
Size 12 - test current [A]:	35

Fire protection class EN 45545-2:

R23/HL3

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	53.4
L1 [mm]:	39.5
L2 [mm]:	24.1
L3 [mm]:	4.0
N1:	1 7/8"-16 UN 2A
T1 [mm]:	4.3
X1 [mm]:	10.5
S1 [mm]:	57
R1 [mm]:	44.5

- 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