

Receptacle with flange

Series GS

Item number: GS321-28-5PN-EAA

Packing unit: 1



MECHANICAL PROPERTIES

Size:	28
Contact type:	Pin
Number of coding options:	4
Number of contacts:	5
Number of contacts, size 4:	2
Number of contacts, size 12:	1
Number of contacts, size 16:	2
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

MECHANICAL PROPERTIES

Operation temperature [°C]: -55 - +90

Temperature shock [°C]: -55 - +125

Conductivity (MΩ): ≤ 0.5

EMI: Yes

Coupling-torque to lock [Nm]: max. 7.0

Coupling-torque to open [Nm]: min. 2.7

THERMAL PROPERTIES

Material contact insert: Ethylene acrylate GXF

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

ELECTRICAL PROPERTIES

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

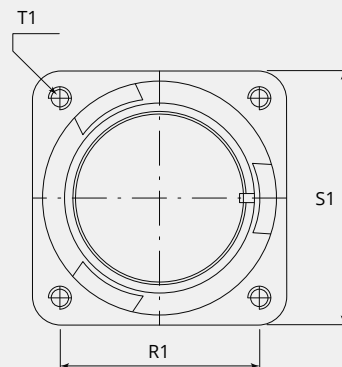
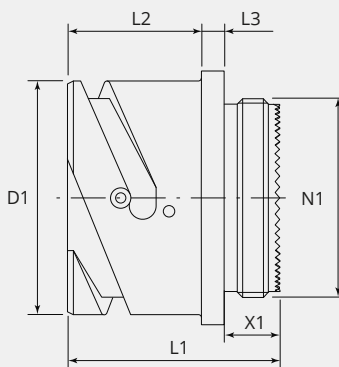
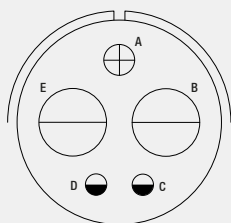
Voltage class: MIL-DTL-5015

ELECTRICAL PROPERTIES CONTACTS

Size 4 - rated current (continuous) [A]:	80
Size 4 - maximum current (short-term) [A]:	135
Size 4 - test current [A]:	110
Size 12 - rated current (continuous) [A]:	23
Size 12 - maximum current (short-term) [A]:	41
Size 12 - test current [A]:	35
Size 16 - rated current (continuous) [A]:	13
Size 16 - maximum current (short-term) [A]:	22
Size 16 - test current [A]:	20

Fire protection class EN 45545-2:	R23/HL3
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DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	46.7
L1 [mm]:	39.1
L2 [mm]:	24.1
L3 [mm]:	4.0
N1:	1 5/8"-18 UNEF 2A
T1 [mm]:	3.7
X1 [mm]:	9.0
S1 [mm]:	50.8
R1 [mm]:	39.7

- 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