

Receptacle with flange

Series GS

Item number: GS321-20-7PN-EAA

Packing unit: 1



MECHANICAL PROPERTIES

Size:	20
Contact type:	Pin
Number of coding options:	4
Number of contacts:	8
Number of contacts, size 16:	8
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
Temperature shock [°C]:	-55 - +125

MECHANICAL PROPERTIES

Conductivity (MΩ): ≤ 0.5

EMI: Yes

Coupling-torque to lock [Nm]: max. 5.0

Coupling-torque to open [Nm]: min. 1.5

THERMAL PROPERTIES

Material contact insert: Ethylene acrylate GXF

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

ELECTRICAL PROPERTIES

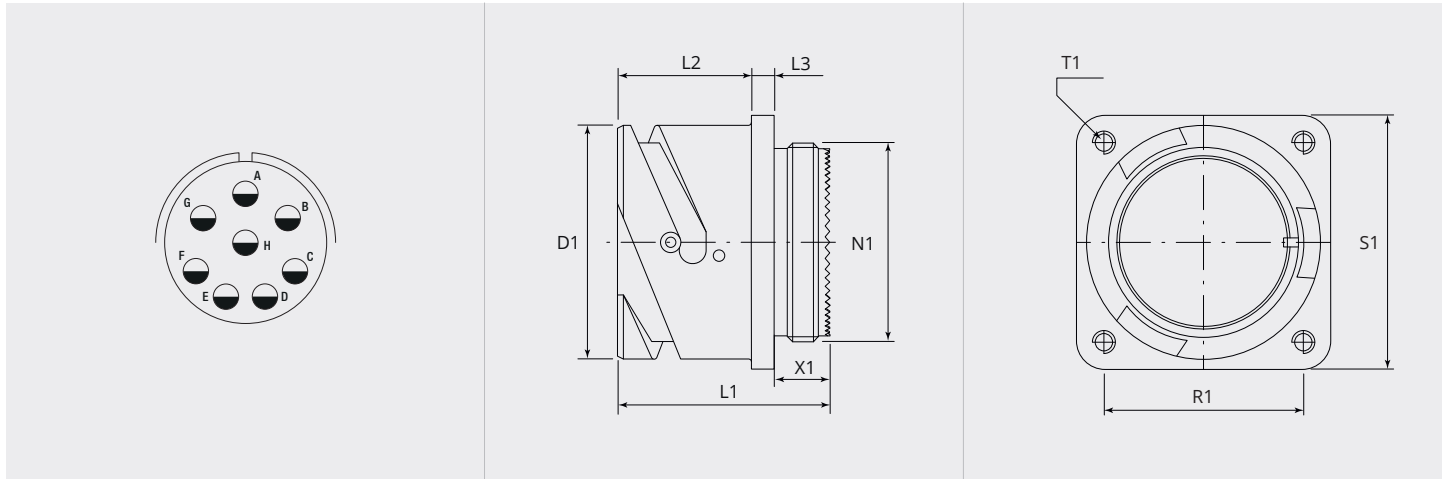
Contact numbers:	A, B, G, H
Operating voltage DC [V]:	1250
Operating voltage AC [V]:	900
Test voltage AC [V]:	2800
Insulation resistance (mΩ):	≥ 5000
Insulation creepage distance [mm]:	≥ 4.8
Voltage class:	MIL-DTL-5015
Contact numbers:	Rest
Operating voltage DC [V]:	700
Operating voltage AC [V]:	500
Test voltage AC [V]:	2000
Insulation resistance (mΩ):	≥ 5000
Insulation creepage distance [mm]:	≥ 3.2
Voltage index:	MIL-DTL-5015

ELECTRICAL PROPERTIES CONTACTS

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]:	34.2
L1 [mm]:	38.8
L2 [mm]:	23.1
L3 [mm]:	4.0
N1:	1 1/8"-18 UNEF 2A
T1 [mm]:	3.2
X1 [mm]:	9.0
S1 [mm]:	38.1
R1 [mm]:	29.4

- 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