

Receptacle with flange

Series GS

Item number: GS321-40-A20PN-EAA

Packing unit: 1



MECHANICAL PROPERTIES

Size:	40
Contact type:	Pin
Number of coding options:	4
Number of contacts:	20
Number of contacts, size 8H:	2
Number of contacts, size 12:	18
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 [$^{\circ}$ C]:	-55 - +90

MECHANICAL PROPERTIES

Temperature shock [°C]: -55 - +125

Conductivity (MΩ): ≤ 0.5

EMI: Yes

Coupling-torque to lock [Nm]: max. 10.0

Coupling-torque to open [Nm]: min. 5.9

THERMAL PROPERTIES

Material contact insert: Ethylene acrylate GXF

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

ELECTRICAL PROPERTIES

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

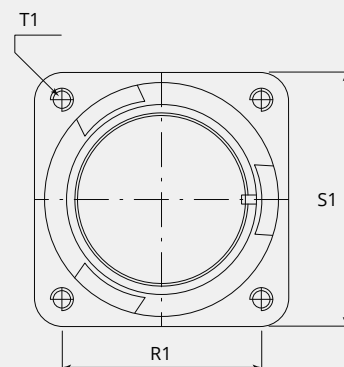
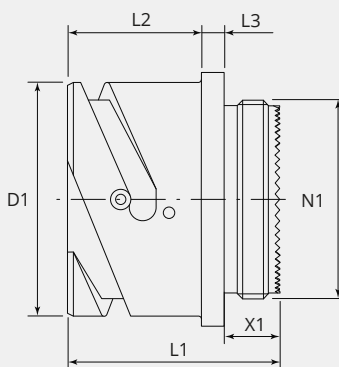
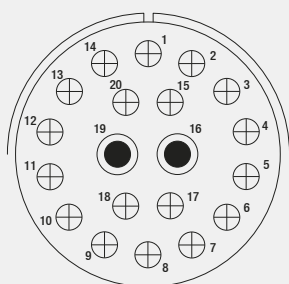
Voltage class: MIL-DTL-5015

ELECTRICAL PROPERTIES CONTACTS

Size 8H - rated current (continuous) [A]:	56
Size 8H - maximum current (short-term) [A]:	90
Size 8H - test current [A]:	72
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
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DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	65.5
L1 [mm]:	39.5
L2 [mm]:	24.1
L3 [mm]:	4.0
N1:	2 5/16"-16 UN 2A
T1 [mm]:	4.3
X1 [mm]:	11.3
S1 [mm]:	69.8
R1 [mm]:	55.6

- 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