

Receptacle with flange

Series GS

Item number: GS321-32-31SN-EAA

Packing unit: 1



MECHANICAL PROPERTIES

Size:	32
Contact type:	Socket
Number of coding options:	4
Number of contacts:	31
Number of contacts, size 16:	31
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. 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

Operating voltage AC [V]:	130/250
Insulation resistance (mΩ):	≥ 5000
Voltage class:	SEV-EN60998-1
Contact numbers:	All
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

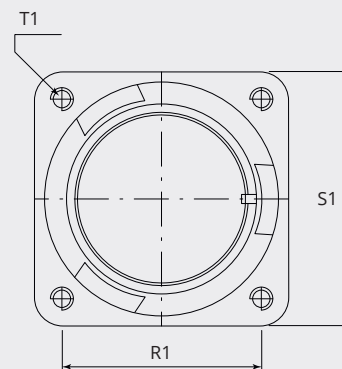
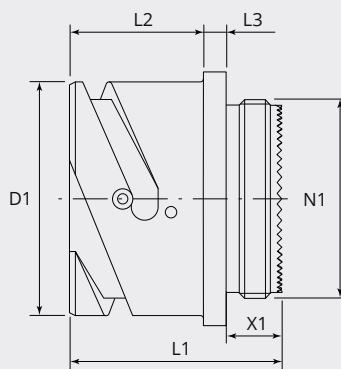
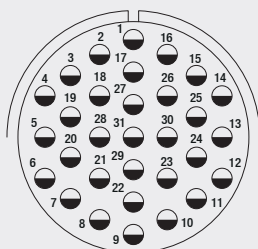
Size 16 - rated current (continuous) [A]: 13

Size 16 - maximum current (short-term) [A]: 22

Size 16 - test current [A]: 20

Fire protection class EN 45545-2: R23/HL3

DIMENSIONS



DIMENSIONS

D1 Ø [mm]: 53.4

L1 [mm]: 39.5

L2 [mm]: 24.1

DIMENSIONS

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

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- 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