

Plug with bayonet coupling nut, for EMI applications

Series GS

Item number: GS601-40-31PN-EAA

Packing unit: 1



MECHANICAL PROPERTIES

Size:	40
Contact type:	Pin
Number of coding options:	4
Number of contacts:	31
Number of contacts, size 12:	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

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]:	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

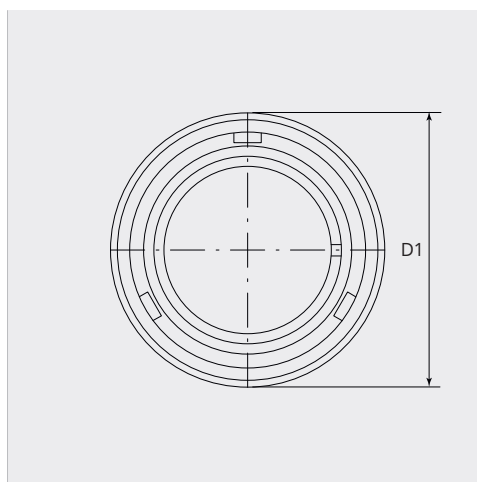
ELECTRICAL PROPERTIES CONTACTS

Size 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]:	73
L1 [mm]:	38.5
N1:	2 5/16"-16 UN 2A
X1 [mm]:	11.3

· 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