

Receptacle, front panel mount

Series GB

Item number: GB210-28-51SN-EAC

Packing unit: 1



MECHANICAL PROPERTIES

Size:	28
Contact type:	Socket
Number of coding options:	3
Number of contacts:	12
Number of contacts, size 12:	12
Shell material:	Aluminum alloy
Surface:	Epoxy-polyurethane
Type of surface:	Varnished
Thickness of surface treatment [μ]:	13-16 μ
Surface colour:	Black
Corrosion resistance [h]:	500
Operation temperature [°C]:	-55 - +125
Temperature shock [°C]:	-55 - +125

MECHANICAL PROPERTIES

Conductivity (MΩ): Non conductive

EMI: No

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 12 - rated current (continuous) [A]: 23

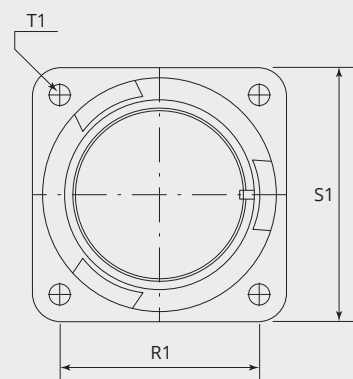
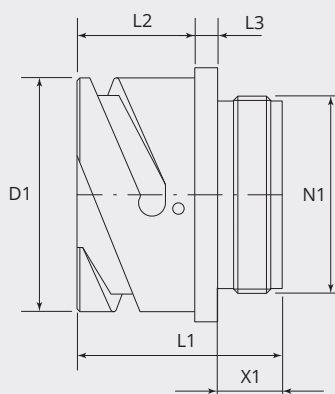
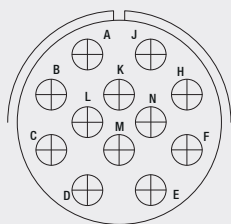
Size 12 - maximum current (short-term) [A]: 41

Size 12 - test current [A]: 35

Fire protection class EN 45545-2:

R23/HL3

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	46.7
L1 [mm]:	36.0
L2 [mm]:	20.6
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