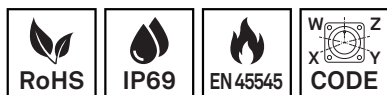


# Receptacle, front panel mount

Series GB

Item number: GB210-28-1SN-EAC

Packing unit: 1



## MECHANICAL PROPERTIES

|                                           |                    |
|-------------------------------------------|--------------------|
| Size:                                     | 28                 |
| Contact type:                             | Socket             |
| Number of coding options:                 | 4                  |
| Number of contacts:                       | 9                  |
| Number of contacts, size 8H:              | 3                  |
| Number of contacts, size 12:              | 6                  |
| Shell material:                           | Aluminum alloy     |
| Surface:                                  | Epoxy-polyurethane |
| Type of surface:                          | Varnished          |
| Thickness of surface treatment [ $\mu$ ]: | 13-16 $\mu$        |
| Surface colour:                           | Black              |
| Corrosion resistance [h]:                 | 500                |
| Operation temperature [ $^{\circ}$ C]:    | -55 - +125         |

## MECHANICAL PROPERTIES

Temperature shock [°C]: -55 - +125

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

|                                    |              |
|------------------------------------|--------------|
| Contact numbers:                   | A, J, E      |
| 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 |

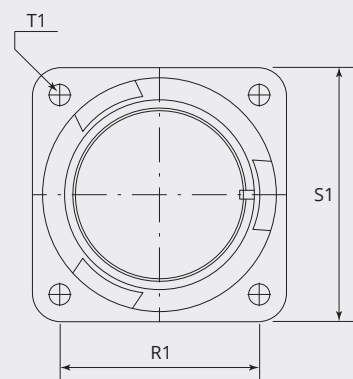
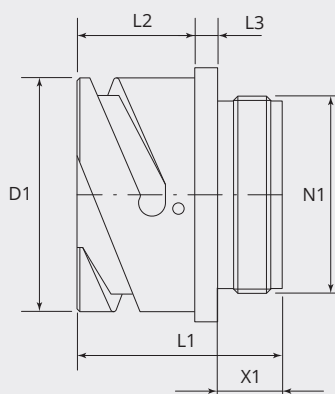
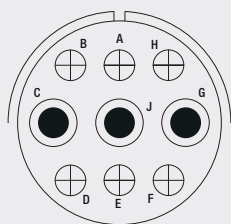
## ELECTRICAL PROPERTIES CONTACTS

|                                             |    |
|---------------------------------------------|----|
| Size 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

## 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