

# Cable receptacle

Series GR

Item number: GR11-14S-2SN-EAA

Packing unit: 1



## MECHANICAL PROPERTIES

|                                           |                |
|-------------------------------------------|----------------|
| Size:                                     | 14S            |
| Contact type:                             | Socket         |
| Number of coding options:                 | 2              |
| Number of contacts:                       | 4              |
| Number of contacts, size 16s:             | 4              |
| Shell material:                           | Aluminum alloy |
| Surface:                                  | Zinc           |
| Type of surface:                          | Passivated     |
| Thickness of surface treatment [ $\mu$ ]: | 12-15 $\mu$    |
| 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. 1.8  |
| Coupling-torque to open [Nm]: | min. 0.55 |

## THERMAL PROPERTIES

|                                    |                       |
|------------------------------------|-----------------------|
| Material contact insert:           | Ethylene acrylate GXF |
| Operating temperature insert [°C]: | -55 - +150            |

## ELECTRICAL PROPERTIES

|                                    |              |
|------------------------------------|--------------|
| Operating voltage DC [V]:          | 250          |
| Operating voltage AC [V]:          | 200          |
| Test voltage AC [V]:               | 1000         |
| Insulation resistance (mΩ):        | ≥ 5000       |
| Insulation creepage distance [mm]: | ≥ 1.6        |
| Voltage class:                     | MIL-DTL-5015 |

## ELECTRICAL PROPERTIES CONTACTS

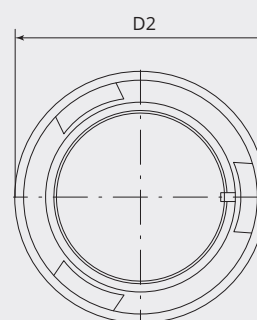
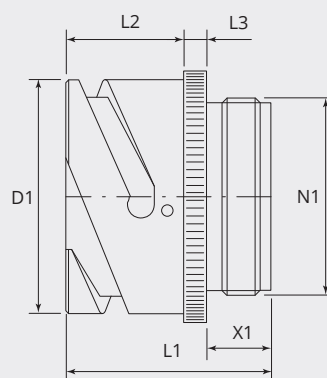
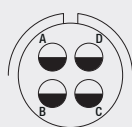
|                                              |    |
|----------------------------------------------|----|
| Size 16S - rated current (continuous) [A]:   | 13 |
| Size 16S - maximum current (short-term) [A]: | 22 |
| Size 16S - test current [A]:                 | 20 |

## STANDARDS

Fire protection class EN 45545-2:

R23/HL3

## DIMENSIONS



## DIMENSIONS

|            |                 |
|------------|-----------------|
| D1 Ø [mm]: | 24.6            |
| D2 Ø [mm]: | 29.0            |
| L1 [mm]:   | 25.0            |
| L2 [mm]:   | 14.2            |
| L3 [mm]:   | 3.2             |
| N1:        | 3/4"-20 UNEF 2A |
| X1 [mm]:   | 9.0             |

- 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

## Socket contact size 16S, 0.25 - 0.5mm<sup>2</sup>

Item number: 10-40552-05AU

Product weight (kg): 0.0001 kg

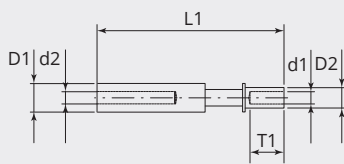
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                    |
|-----------------------------------|--------------------|
| Contact type:                     | Socket             |
| Maximum current (short-term) [A]: | 22                 |
| Test current [A]:                 | 20                 |
| Rated current (continuous) [A]:   | 13                 |
| Contact Material:                 | CU alloy           |
| Protective layer:                 | Gold plated, 0.5µm |
| Connection type:                  | Crimp              |
| Wire section [mm <sup>2</sup> ]:  | 0.25 - 0.5         |
| Wire section [AWG]:               | 22 - 20            |
| Stripping length [mm]:            | 7                  |

## DIMENSIONS



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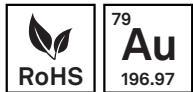
|            |      |
|------------|------|
| D1 Ø [mm]: | 3.1  |
| D2 Ø [mm]: | 2.15 |
| d1 Ø [mm]: | 1.1  |
| d2 Ø [mm]: | 1.6  |
| L1 [mm]:   | 27   |
| T1 [mm]:   | 6.4  |

## Socket contact size 16S, 0.75 - 1.5mm<sup>2</sup>

Item number: 10-40552AU

Product weight (kg): 0.0009 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

Maximum current (short-term) [A]: 22

Test current [A]: 20

Rated current (continuous) [A]: 13

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

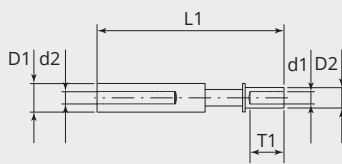
Connection type: Crimp

Wire section [mm<sup>2</sup>]: 0.75 - 1.5

Wire section [AWG]: 16

Stripping length [mm]: 7

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 3.1  |
| D2 Ø [mm]: | 2.62 |
| d1 Ø [mm]: | 1.75 |
| d2 Ø [mm]: | 1.6  |
| L1 [mm]:   | 27   |
| T1 [mm]:   | 6.4  |