

# Cable receptacle

Series GR

Item number: GR11-24-22SN-EAA

Packing unit: 1



## MECHANICAL PROPERTIES

|                                           |                |
|-------------------------------------------|----------------|
| Size:                                     | 24             |
| Contact type:                             | Socket         |
| Number of coding options:                 | 3              |
| Number of contacts:                       | 4              |
| Number of contacts, size 8H:              | 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. 6.5 |
| Coupling-torque to open [Nm]: | min. 2.0 |

## 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

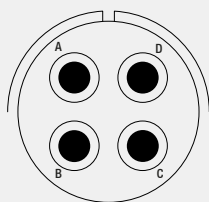
|                                             |    |
|---------------------------------------------|----|
| Size 8H - rated current (continuous) [A]:   | 56 |
| Size 8H - maximum current (short-term) [A]: | 90 |
| Size 8H - test current [A]:                 | 72 |

## STANDARDS

Fire protection class EN 45545-2:

R23/HL3

## DIMENSIONS



## DIMENSIONS

|            |                   |
|------------|-------------------|
| D1 Ø [mm]: | 41                |
| D2 Ø [mm]: | 44.0              |
| L1 [mm]:   | 36.0              |
| L2 [mm]:   | 20.6              |
| L3 [mm]:   | 4.0               |
| N1:        | 1 3/8"-18 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 8H, 6.0mm<sup>2</sup>

Item number: 10-40796-38AG

Product weight (kg): 0.0086 kg

Packing unit:



## MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Socket               |
| Maximum current (short-term) [A]: | 90                   |
| Test current [A]:                 | 72                   |
| Rated current (continuous) [A]:   | 56                   |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 6                    |
| Wire section [AWG]:               | 10                   |
| Stripping length [mm]:            | 9                    |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 7.8  |
| D2 Ø [mm]: | 5    |
| d1 Ø [mm]: | 3.55 |
| d2 Ø [mm]: | 3.6  |
| L1 [mm]:   | 38   |
| T1 [mm]:   | 8.5  |

# Socket contact size 8H, 2.5mm<sup>2</sup>

Item number: 10-40796-22AG

Product weight (kg): 0.0085 kg

Packing unit:



## MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Socket               |
| Maximum current (short-term) [A]: | 90                   |
| Test current [A]:                 | 72                   |
| Rated current (continuous) [A]:   | 56                   |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 2.5                  |
| Wire section [AWG]:               | 12                   |
| Stripping length [mm]:            | 9                    |

## DIMENSIONS



## DIMENSIONS

|            |     |
|------------|-----|
| D1 Ø [mm]: | 7.8 |
| D2 Ø [mm]: | 4   |
| d1 Ø [mm]: | 2.3 |
| d2 Ø [mm]: | 3.6 |
| L1 [mm]:   | 38  |
| T1 [mm]:   | 8.5 |

## Socket contact size 8H, 10mm<sup>2</sup>

Item number: 10-40796-50AG

Product weight (kg): 0.009 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Socket               |
| Maximum current (short-term) [A]: | 90                   |
| Test current [A]:                 | 72                   |
| Rated current (continuous) [A]:   | 56                   |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 10                   |
| Wire section [AWG]:               | 8 - 6                |
| Stripping length [mm]:            | 13                   |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 7.8  |
| D2 Ø [mm]: | 6.35 |
| d1 Ø [mm]: | 4.6  |
| d2 Ø [mm]: | 3.6  |
| L1 [mm]:   | 38   |
| T1 [mm]:   | 12.2 |

## Socket contact size 8H, 1.5mm<sup>2</sup>

Item number: 10-40796-18AG

Product weight (kg): 0.0087 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Socket               |
| Maximum current (short-term) [A]: | 90                   |
| Test current [A]:                 | 72                   |
| Rated current (continuous) [A]:   | 56                   |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 1.5                  |
| Wire section [AWG]:               | 16                   |
| Stripping length [mm]:            | 9                    |

## DIMENSIONS



## DIMENSIONS

|                   |      |
|-------------------|------|
| <b>D1 Ø [mm]:</b> | 7.8  |
| <b>D2 Ø [mm]:</b> | 4    |
| <b>d1 Ø [mm]:</b> | 1.75 |
| <b>d2 Ø [mm]:</b> | 3.6  |
| <b>L1 [mm]:</b>   | 38   |
| <b>T1 [mm]:</b>   | 8.5  |