

# Plug with rubber coated coupling nut, for EMI applications

Series GR

Item number: GR604-22-A10PN-EAA

Packing unit: 1



## MECHANICAL PROPERTIES

|                                           |                |
|-------------------------------------------|----------------|
| Size:                                     | 22             |
| Contact type:                             | Pin            |
| Number of coding options:                 | 2              |
| Number of contacts:                       | 10             |
| Number of contacts, size 16:              | 10             |
| 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 [ $^{\circ}$ C]:    | -55 - +90      |

## MECHANICAL PROPERTIES

|                               |            |
|-------------------------------|------------|
| Temperature shock [°C]:       | -55 - +125 |
| Conductivity (MΩ):            | ≤ 0.5      |
| EMI:                          | Yes        |
| Coupling-torque to lock [Nm]: | max. 6.0   |
| Coupling-torque to open [Nm]: | min. 1.5   |

## THERMAL PROPERTIES

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

## ELECTRICAL PROPERTIES

|                                    |              |
|------------------------------------|--------------|
| 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 class:                     | MIL-DTL-5015 |

## ELECTRICAL PROPERTIES CONTACTS

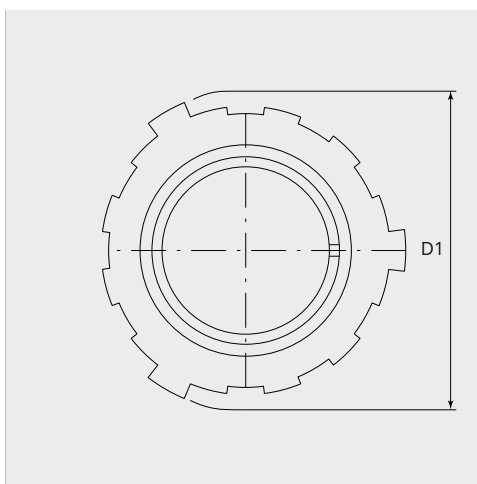
|                                             |    |
|---------------------------------------------|----|
| Size 16 - rated current (continuous) [A]:   | 13 |
| Size 16 - maximum current (short-term) [A]: | 22 |
| Size 16 - test current [A]:                 | 20 |

## STANDARDS

Fire protection class EN 45545-2:

R23/HL3

## DIMENSIONS



## DIMENSIONS

|            |                   |
|------------|-------------------|
| D1 Ø [mm]: | 56                |
| L1 [mm]:   | 39.0              |
| N1:        | 1 1/4"-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

## Pin contact size 16, 1.0mm<sup>2</sup>

Item number: 10-40557AU

Product weight (kg): 0.001 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|               |     |
|---------------|-----|
| Contact type: | Pin |
|---------------|-----|

|                                   |    |
|-----------------------------------|----|
| 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> ]: | 1 |
|----------------------------------|---|

|                     |    |
|---------------------|----|
| Wire section [AWG]: | 16 |
|---------------------|----|

|                        |   |
|------------------------|---|
| Stripping length [mm]: | 7 |
|------------------------|---|

## DIMENSIONS



## DIMENSIONS

|            |     |
|------------|-----|
| D1 Ø [mm]: | 3.1 |
| D2 Ø [mm]: | 2.9 |
| D3 Ø [mm]: | 1.6 |
| d1 Ø [mm]: | 1.8 |
| L1 [mm]:   | 32  |
| T1 [mm]:   | 6.4 |

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

Item number: 10-40557-05AU

Product weight (kg): 0.0009 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                    |
|-----------------------------------|--------------------|
| Contact type:                     | Pin                |
| 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



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 3.1  |
| D2 Ø [mm]: | 2.15 |
| D3 Ø [mm]: | 1.6  |
| d1 Ø [mm]: | 1.1  |
| L1 [mm]:   | 32   |
| T1 [mm]:   | 6.4  |

## Pin contact size 16, 0.75mm<sup>2</sup>

Item number: 10-40557-075AU

Product weight (kg): 0.0009 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                    |
|-----------------------------------|--------------------|
| Contact type:                     | Pin                |
| 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               |
| Wire section [AWG]:               | 18                 |
| Stripping length [mm]:            | 7                  |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 3.1  |
| D2 Ø [mm]: | 2.2  |
| D3 Ø [mm]: | 1.6  |
| d1 Ø [mm]: | 1.35 |
| L1 [mm]:   | 32   |
| T1 [mm]:   | 6.4  |

## Pin contact size 16, 1.5mm<sup>2</sup>

Item number: 10-40557-20-1AU

Product weight (kg): 0.001 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                    |
|-----------------------------------|--------------------|
| Contact type:                     | Pin                |
| 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> ]:  | 1.5                |
| Stripping length [mm]:            | 7                  |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 3.1  |
| D2 Ø [mm]: | 2.62 |
| D3 Ø [mm]: | 1.6  |
| d1 Ø [mm]: | 1.75 |
| L1 [mm]:   | 32   |
| T1 [mm]:   | 6.4  |