

# Plug with rubber coated coupling nut

Series GR

Item number: GR602-22-21PN-EAA

Packing unit: 1



## MECHANICAL PROPERTIES

|                                           |                |
|-------------------------------------------|----------------|
| Size:                                     | 22             |
| Contact type:                             | Pin            |
| Number of coding options:                 | 4              |
| Number of contacts:                       | 3              |
| Number of contacts, size 0:               | 1              |
| Number of contacts, size 16:              | 2              |
| 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

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 0 - rated current (continuous) [A]:    | 200 |
| Size 0 - maximum current (short-term) [A]:  | 300 |
| Size 0 - test current [A]:                  | 240 |
| 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, 1.5mm<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  |

## Pin contact size 0, 35mm<sup>2</sup>

Item number: 10-660-0-352G89

Product weight (kg): 0.0402 kg

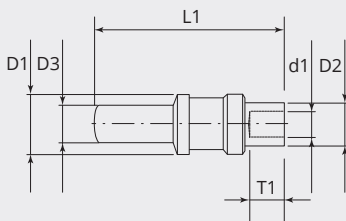
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Pin                  |
| Maximum current (short-term) [A]: | 245                  |
| Test current [A]:                 | 200                  |
| Rated current (continuous) [A]:   | 150                  |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 35                   |
| Wire section [AWG]:               | 2 - 1                |
| Stripping length [mm]:            | 18                   |

## DIMENSIONS



## DIMENSIONS

|            |     |
|------------|-----|
| D1 Ø [mm]: | 15  |
| D2 Ø [mm]: | 13  |
| D3 Ø [mm]: | 9   |
| d1 Ø [mm]: | 8.9 |
| L1 [mm]:   | 53  |
| T1 [mm]:   | 19  |

## Pin contact size 0, 16mm<sup>2</sup>

Item number: 10-660-0-162G62

Product weight (kg): 0.0334 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Pin                  |
| Maximum current (short-term) [A]: | 245                  |
| Test current [A]:                 | 200                  |
| Rated current (continuous) [A]:   | 150                  |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 16                   |
| Stripping length [mm]:            | 17                   |

## DIMENSIONS



## DIMENSIONS

|                   |     |
|-------------------|-----|
| <b>D1 Ø [mm]:</b> | 15  |
| <b>D2 Ø [mm]:</b> | 9.3 |
| <b>D3 Ø [mm]:</b> | 9   |
| <b>d1 Ø [mm]:</b> | 6.2 |
| <b>L1 [mm]:</b>   | 51  |
| <b>T1 [mm]:</b>   | 17  |

## Pin contact size 0, 25mm<sup>2</sup>

Item number: 10-660-0-252G76

Product weight (kg): 0.0376 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Pin                  |
| Maximum current (short-term) [A]: | 245                  |
| Test current [A]:                 | 200                  |
| Rated current (continuous) [A]:   | 150                  |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 25                   |
| Stripping length [mm]:            | 18                   |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 15   |
| D2 Ø [mm]: | 11.7 |
| D3 Ø [mm]: | 9    |
| d1 Ø [mm]: | 7.6  |
| L1 [mm]:   | 52   |
| T1 [mm]:   | 17   |

## 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, 1.0mm<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 0, 50mm<sup>2</sup>

Item number: 10-660-0-502G10

Product weight (kg): 0.0441 kg

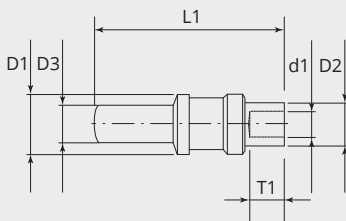
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Pin                  |
| Maximum current (short-term) [A]: | 245                  |
| Test current [A]:                 | 200                  |
| Rated current (continuous) [A]:   | 150                  |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 50                   |
| Wire section [AWG]:               | 0                    |
| Stripping length [mm]:            | 22                   |

## DIMENSIONS



## DIMENSIONS

|                   |      |
|-------------------|------|
| <b>D1 Ø [mm]:</b> | 15   |
| <b>D2 Ø [mm]:</b> | 14.6 |
| <b>D3 Ø [mm]:</b> | 9    |
| <b>d1 Ø [mm]:</b> | 10.5 |
| <b>L1 [mm]:</b>   | 56   |
| <b>T1 [mm]:</b>   | 20.5 |