

# Plug with threaded coupling nut

Series GT

Item number: GT60-18-9PN-EAC

Packing unit: 1



## MECHANICAL PROPERTIES

|                                           |                |
|-------------------------------------------|----------------|
| Size:                                     | 18             |
| Contact type:                             | Pin            |
| Number of coding options:                 | 4              |
| Number of contacts:                       | 7              |
| Number of contacts, size 12:              | 2              |
| Number of contacts, size 16:              | 5              |
| 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. 4.0

Coupling-torque to open [Nm]: min. 1.0

## 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

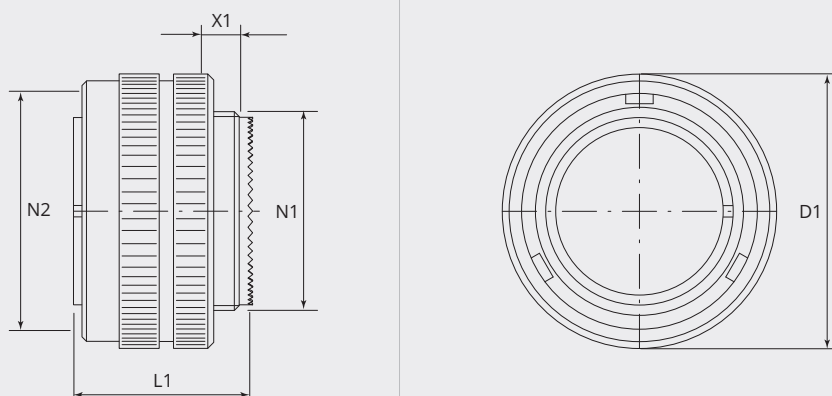
## ELECTRICAL PROPERTIES CONTACTS

|                                             |    |
|---------------------------------------------|----|
| Size 12 - rated current (continuous) [A]:   | 23 |
| Size 12 - maximum current (short-term) [A]: | 41 |
| Size 12 - test current [A]:                 | 35 |
| 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]: | 34.5              |
| L1 [mm]:   | 36.0              |
| N1:        | 1"-20 UNEF 2A     |
| N2:        | 1 1/8"-18 UNEF 2B |
| 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 12, 2.5mm<sup>2</sup>

Item number: 10-40561-22AU

Product weight (kg): 0.0023 kg

Packing unit:



## MECHANICAL PROPERTIES CONTACTS

|                                   |                    |
|-----------------------------------|--------------------|
| Contact type:                     | Pin                |
| Maximum current (short-term) [A]: | 41                 |
| Test current [A]:                 | 35                 |
| Rated current (continuous) [A]:   | 23                 |
| Contact Material:                 | CU alloy           |
| Protective layer:                 | Gold plated, 0.5µm |
| Connection type:                  | Crimp              |
| Wire section [mm <sup>2</sup> ]:  | 2.5                |
| Wire section [AWG]:               | 14                 |
| Stripping length [mm]:            | 9                  |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 4.8  |
| D2 Ø [mm]: | 3.95 |
| D3 Ø [mm]: | 2.4  |
| d1 Ø [mm]: | 2.25 |
| L1 [mm]:   | 38   |
| T1 [mm]:   | 8.5  |

## Pin contact size 12, 4.0mm<sup>2</sup>

Item number: 10-40561-30AU

Product weight (kg): 0.0025 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 41

Test current [A]: 35

Rated current (continuous) [A]: 23

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

Connection type: Crimp

Wire section [mm<sup>2</sup>]: 4

Wire section [AWG]: 12 - 10

Stripping length [mm]: 9

## DIMENSIONS



## DIMENSIONS

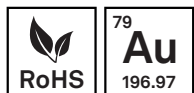
|            |      |
|------------|------|
| D1 Ø [mm]: | 4.8  |
| D2 Ø [mm]: | 4.75 |
| D3 Ø [mm]: | 2.4  |
| d1 Ø [mm]: | 2.95 |
| L1 [mm]:   | 38   |
| T1 [mm]:   | 8.5  |

## 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 12, 6.0mm<sup>2</sup>

Item number: 10-40561-38AU

Product weight (kg): 0.0023 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 41

Test current [A]: 35

Rated current (continuous) [A]: 23

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

Connection type: Crimp

Wire section [mm<sup>2</sup>]: 6

Wire section [AWG]: 10

Stripping length [mm]: 9

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 4.8  |
| D2 Ø [mm]: | 4.75 |
| D3 Ø [mm]: | 2.4  |
| d1 Ø [mm]: | 3.5  |
| L1 [mm]:   | 38   |
| T1 [mm]:   | 8.5  |

## Pin contact size 12, 1.5mm<sup>2</sup>

Item number: 10-40561-18AU

Product weight (kg): 0.0024 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 41

Test current [A]: 35

Rated current (continuous) [A]: 23

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

Connection type: Crimp

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

Wire section [AWG]: 18 - 16

Stripping length [mm]: 9

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 4.8  |
| D2 Ø [mm]: | 3.95 |
| D3 Ø [mm]: | 2.4  |
| d1 Ø [mm]: | 1.75 |
| L1 [mm]:   | 38   |
| T1 [mm]:   | 8.5  |

## 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, 0.75mm<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 12, 0.75 - 1.0mm<sup>2</sup>

Item number: 10-40561-15AU

Product weight (kg): 0.0022 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 41

Test current [A]: 35

Rated current (continuous) [A]: 23

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

Connection type: Crimp

Wire section [mm<sup>2</sup>]: 0.75 - 1.0

Wire section [AWG]: 22 - 18

Stripping length [mm]: 9

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 4.8  |
| D2 Ø [mm]: | 3.35 |
| D3 Ø [mm]: | 2.4  |
| d1 Ø [mm]: | 1.45 |
| L1 [mm]:   | 38   |
| T1 [mm]:   | 8.5  |

## Pin contact size 12, 0.5mm<sup>2</sup>

Item number: 10-40561-11AU

Product weight (kg): 0.0022 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 41

Test current [A]: 35

Rated current (continuous) [A]: 23

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

Connection type: Crimp

Wire section [mm<sup>2</sup>]: 0.5

Wire section [AWG]: 20

Stripping length [mm]: 9

## DIMENSIONS



## DIMENSIONS

|            |     |
|------------|-----|
| D1 Ø [mm]: | 4.8 |
| D2 Ø [mm]: | 3   |
| D3 Ø [mm]: | 2.4 |
| d1 Ø [mm]: | 1.1 |
| L1 [mm]:   | 38  |
| T1 [mm]:   | 8.5 |

## 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  |