



## MECHANICAL PROPERTIES

|                               |                |
|-------------------------------|----------------|
| Operation temperature [°C]:   | -55 - +125     |
| Temperature shock [°C]:       | -55 - +125     |
| Conductivity (MΩ):            | Non conductive |
| EMI:                          | No             |
| Coupling-torque to lock [Nm]: | max. 8.0       |
| Coupling-torque to open [Nm]: | min. 3.6       |

## 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 |

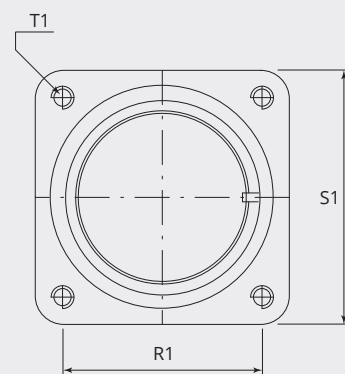
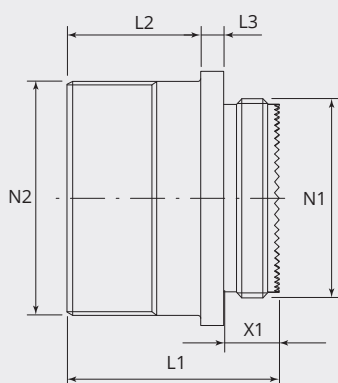
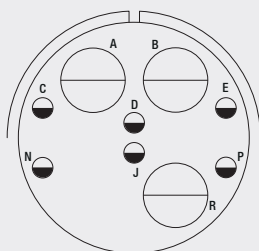
## ELECTRICAL PROPERTIES CONTACTS

|                                             |     |
|---------------------------------------------|-----|
| Size 4 - rated current (continuous) [A]:    | 80  |
| Size 4 - maximum current (short-term) [A]:  | 135 |
| Size 4 - test current [A]:                  | 110 |
| 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]: | 53.4            |
| L1 [mm]:   | 39.5            |
| L2 [mm]:   | 24.1            |
| L3 [mm]:   | 4.0             |
| N1:        | 1 7/8"-16 UN 2A |
| N2:        | 2"-18 UN 2A     |
| T1 [mm]:   | 4.3             |
| X1 [mm]:   | 10.5            |
| S1 [mm]:   | 57              |
| R1 [mm]:   | 44.5            |

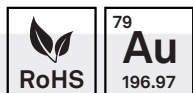
- Please contact your Gimota partner for other shell materials, surface coatings or contact insert materials.
- Voltage classes tested acc. MIL-DTL-5015 Power transmission verification acc. VG95234 / 2 test 5.10.1 and VG95210 / 37
- Corrosion resistance tested acc. MIL 1344A Test 101.1 Temperature shock tested acc. MIL 202F, 107G Method
- Electrical conductivity acc. MIL 1344A, Test 3007

## Pin contact size 12, 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 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 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, 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

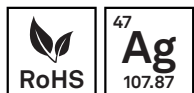
|            |     |
|------------|-----|
| D1 Ø [mm]: | 4.8 |
| D2 Ø [mm]: | 3   |
| D3 Ø [mm]: | 2.4 |
| d1 Ø [mm]: | 1.1 |
| L1 [mm]:   | 38  |
| T1 [mm]:   | 8.5 |

## Pin contact size 4, 10mm<sup>2</sup>

Item number: 10-660-4-10G10

Product weight (kg): 0.0127 kg

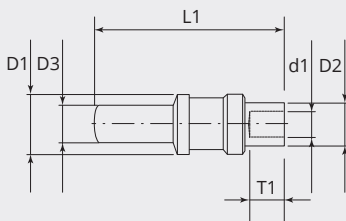
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                  |                      |
|----------------------------------|----------------------|
| Contact type:                    | Pin                  |
| Contact Material:                | CU alloy             |
| Protective layer:                | Silver plated, 3.5µm |
| Connection type:                 | Crimp                |
| Wire section [mm <sup>2</sup> ]: | 10                   |
| Wire section [AWG]:              | 6                    |
| Stripping length [mm]:           | 13                   |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 11   |
| D2 Ø [mm]: | 6.5  |
| D3 Ø [mm]: | 5.7  |
| d1 Ø [mm]: | 4.6  |
| L1 [mm]:   | 41   |
| T1 [mm]:   | 12.2 |

## 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, 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 4, 16mm<sup>2</sup>

Item number: 10-660-4-16G10

Product weight (kg): 0.0136 kg

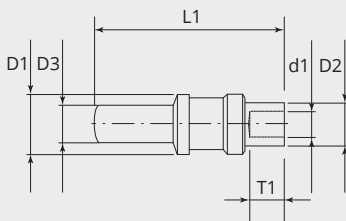
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Pin                  |
| Maximum current (short-term) [A]: | 135                  |
| Test current [A]:                 | 110                  |
| Rated current (continuous) [A]:   | 80                   |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 16                   |
| Wire section [AWG]:               | 4 - 3                |
| Stripping length [mm]:            | 13                   |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 11   |
| D2 Ø [mm]: | 9.3  |
| D3 Ø [mm]: | 5.7  |
| d1 Ø [mm]: | 7    |
| L1 [mm]:   | 41   |
| T1 [mm]:   | 12.2 |

## Pin contact size 4, 6.0mm<sup>2</sup>

Item number: 10-660-4-6G10

Product weight (kg): 0.012 kg

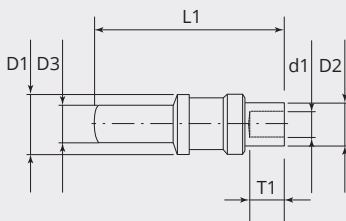
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Pin                  |
| Maximum current (short-term) [A]: | 135                  |
| Test current [A]:                 | 110                  |
| Rated current (continuous) [A]:   | 80                   |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 6                    |
| Wire section [AWG]:               | 8                    |
| Stripping length [mm]:            | 9                    |

## DIMENSIONS



## DIMENSIONS

|            |     |
|------------|-----|
| D1 Ø [mm]: | 11  |
| D2 Ø [mm]: | 5.2 |
| D3 Ø [mm]: | 5.7 |
| d1 Ø [mm]: | 3.6 |
| L1 [mm]:   | 41  |
| T1 [mm]:   | 8.5 |

## Pin contact size 4, 16mm<sup>2</sup>

Item number: 10-660-4-16G62

Product weight (kg): 0.0154 kg

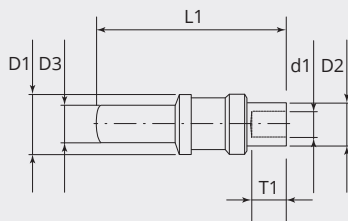
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Pin                  |
| Maximum current (short-term) [A]: | 135                  |
| Test current [A]:                 | 110                  |
| Rated current (continuous) [A]:   | 80                   |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 16                   |
| Stripping length [mm]:            | 13                   |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 11   |
| D2 Ø [mm]: | 9.3  |
| D3 Ø [mm]: | 5.7  |
| d1 Ø [mm]: | 6.2  |
| L1 [mm]:   | 41   |
| T1 [mm]:   | 12.2 |