



## 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

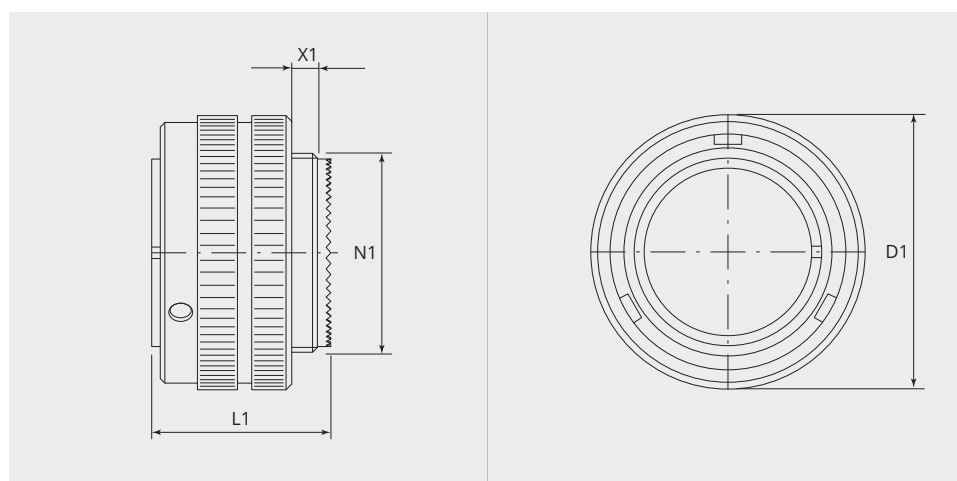
## ELECTRICAL PROPERTIES CONTACTS

|                                             |     |
|---------------------------------------------|-----|
| Size 0 - rated current (continuous) [A]:    | 150 |
| Size 0 - maximum current (short-term) [A]:  | 245 |
| Size 0 - test current [A]:                  | 200 |
| Size 0* - rated current (continuous) [A]:   | 240 |
| Size 0* - maximum current (short-term) [A]: | 200 |
| Size 0* - test current [A]:                 | 245 |
| 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

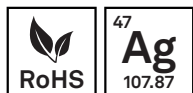
|            |                   |
|------------|-------------------|
| D1 Ø [mm]: | 44                |
| L1 [mm]:   | 36.0              |
| N1:        | 1 1/4"-18 UNEF 2A |
| X1 [mm]:   | 9.0               |

- 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

## Socket contact size 0\*, 35mm<sup>2</sup>

Item number: 10-905-0-352G89

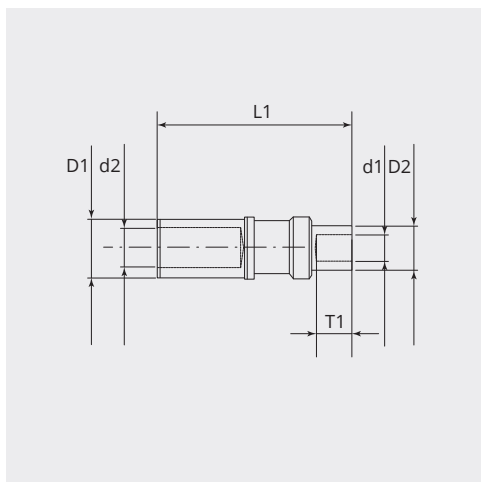
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                                                     |
|-----------------------------------|-----------------------------------------------------|
| Contact type:                     | Socket with lamellas for increased current transfer |
| Maximum current (short-term) [A]: | 300                                                 |
| Test current [A]:                 | 240                                                 |
| Rated current (continuous) [A]:   | 200                                                 |
| Contact Material:                 | CU alloy                                            |
| Protective layer:                 | Silver plated, 3.5µm                                |
| Connection type:                  | Crimp                                               |
| Wire section [mm <sup>2</sup> ]:  | 35                                                  |
| Wire section [AWG]:               | 0                                                   |
| Stripping length [mm]:            | 19                                                  |

## DIMENSIONS



## DIMENSIONS

|            |     |
|------------|-----|
| D1 Ø [mm]: | 15  |
| D2 Ø [mm]: | 13  |
| d1 Ø [mm]: | 8.9 |
| d2 Ø [mm]: | 13  |
| L1 [mm]:   | 52  |
| T1 [mm]:   | 18  |

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

Item number: 10-40556-05AU

Product weight (kg): 0.0002 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

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

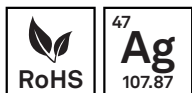
|            |      |
|------------|------|
| D1 Ø [mm]: | 3.1  |
| D2 Ø [mm]: | 2.15 |
| d1 Ø [mm]: | 1.1  |
| d2 Ø [mm]: | 1.6  |
| L1 [mm]:   | 37   |
| T1 [mm]:   | 6.4  |

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

Item number: 10-903-0-162G62

Product weight (kg): 0.0331 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

Maximum current (short-term) [A]: 245

Test current [A]: 200

Rated current (continuous) [A]: 150

Contact Material: CU alloy

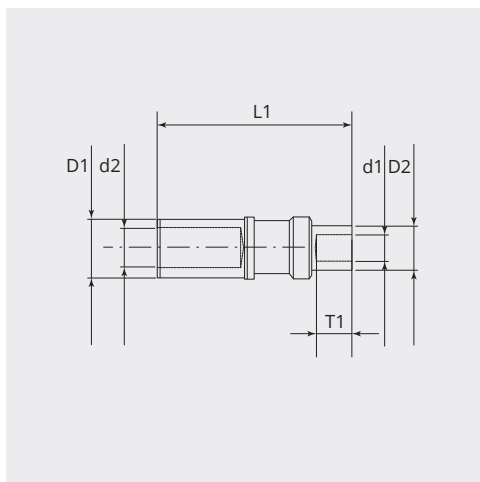
Protective layer: Silver plated, 3.5µm

Connection type: Crimp

Wire section [mm<sup>2</sup>]: 16

Stripping length [mm]: 17

## DIMENSIONS



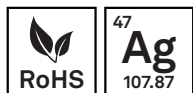
## DIMENSIONS

|            |     |
|------------|-----|
| D1 Ø [mm]: | 15  |
| D2 Ø [mm]: | 9.3 |
| d1 Ø [mm]: | 6.2 |
| d2 Ø [mm]: | 9.3 |
| L1 [mm]:   | 48  |
| T1 [mm]:   | 16  |

## Socket contact size 0\*, 16mm<sup>2</sup>

Item number: 10-905-0-162G62

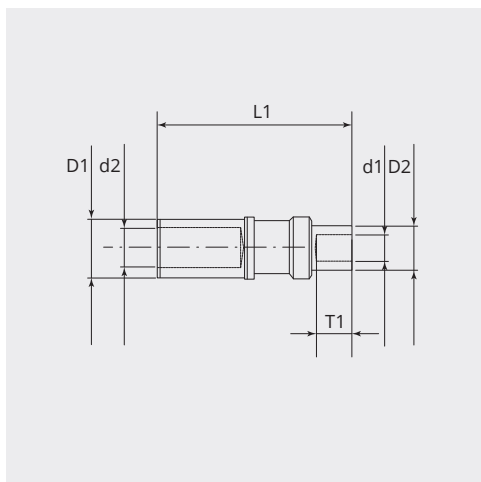
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                                                     |
|-----------------------------------|-----------------------------------------------------|
| Contact type:                     | Socket with lamellas for increased current transfer |
| Maximum current (short-term) [A]: | 300                                                 |
| Test current [A]:                 | 240                                                 |
| Rated current (continuous) [A]:   | 200                                                 |
| 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



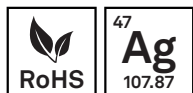
## DIMENSIONS

|            |     |
|------------|-----|
| D1 Ø [mm]: | 15  |
| D2 Ø [mm]: | 9.3 |
| d1 Ø [mm]: | 6.2 |
| d2 Ø [mm]: | 9.3 |
| L1 [mm]:   | 50  |
| T1 [mm]:   | 16  |

## Socket contact size 0\*, 25mm<sup>2</sup>

Item number: 10-905-0-252G76

Packing unit: 100



### MECHANICAL PROPERTIES CONTACTS

**Contact type:** Socket with lamellas for increased current transfer

**Maximum current (short-term) [A]:** 300

**Test current [A]:** 240

**Rated current (continuous) [A]:** 200

**Contact Material:** CU alloy

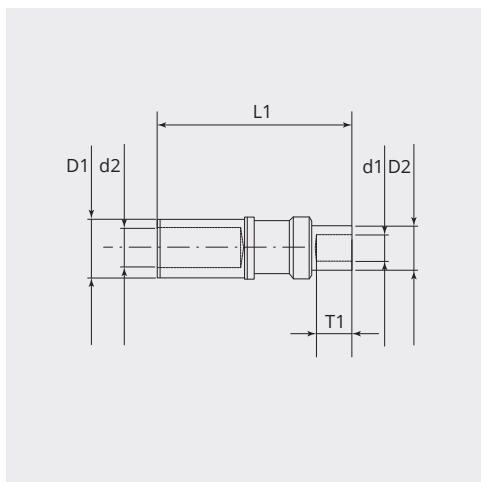
**Protective layer:** Silver plated, 3.5µm

**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 |
| d1 Ø [mm]: | 7.6  |
| d2 Ø [mm]: | 11.7 |
| L1 [mm]:   | 51   |
| T1 [mm]:   | 17   |

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

Item number: 10-903-0-252G76

Product weight (kg): 0.0373 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

Maximum current (short-term) [A]: 245

Test current [A]: 200

Rated current (continuous) [A]: 150

Contact Material: CU alloy

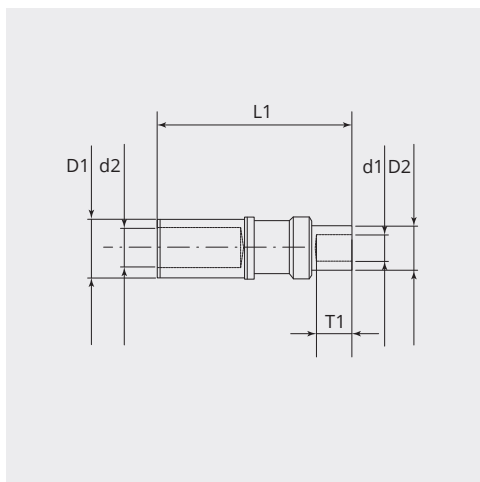
Protective layer: Silver plated, 3.5µm

Connection type: Crimp

Wire section [mm<sup>2</sup>]: 25

Stripping length [mm]: 18

## DIMENSIONS



## DIMENSIONS

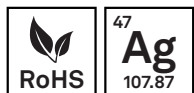
|            |      |
|------------|------|
| D1 Ø [mm]: | 15   |
| D2 Ø [mm]: | 11.7 |
| d1 Ø [mm]: | 7.6  |
| d2 Ø [mm]: | 11.7 |
| L1 [mm]:   | 49   |
| T1 [mm]:   | 17   |

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

Item number: 10-903-0-352G89

Product weight (kg): 0.0423 kg

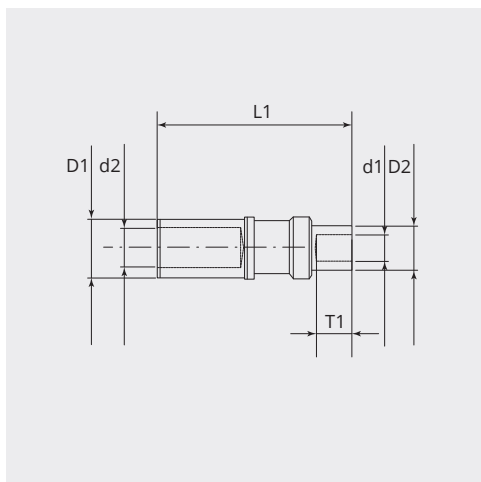
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Socket               |
| 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]:               | 0                    |
| Stripping length [mm]:            | 19                   |

## DIMENSIONS



## DIMENSIONS

|            |     |
|------------|-----|
| D1 Ø [mm]: | 15  |
| D2 Ø [mm]: | 13  |
| d1 Ø [mm]: | 8.9 |
| d2 Ø [mm]: | 13  |
| L1 [mm]:   | 52  |
| T1 [mm]:   | 18  |

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

Item number: 10-40556-075AU

Product weight (kg): 0.0015 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

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  |
| d1 Ø [mm]: | 1.35 |
| d2 Ø [mm]: | 1.6  |
| L1 [mm]:   | 37   |
| T1 [mm]:   | 6.4  |

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

Item number: 10-40556AU

Product weight (kg): 0.0016 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

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 |
| d1 Ø [mm]: | 1.8 |
| d2 Ø [mm]: | 1.6 |
| L1 [mm]:   | 37  |
| T1 [mm]:   | 6.4 |

## Socket contact size 0, 50mm<sup>2</sup>

Item number: 10-903-0-502G10

Product weight (kg): 0.0434 kg

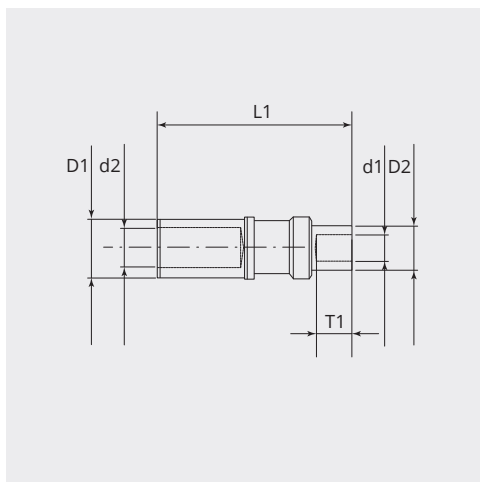
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Socket               |
| 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

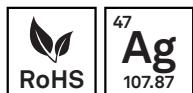
|            |      |
|------------|------|
| D1 Ø [mm]: | 15   |
| D2 Ø [mm]: | 14.6 |
| d1 Ø [mm]: | 10.5 |
| d2 Ø [mm]: | 14.6 |
| L1 [mm]:   | 53   |
| T1 [mm]:   | 20.5 |

## Socket contact size 0\*, 50mm<sup>2</sup>

Item number: 10-905-0-502G10

Product weight (kg): 0.0457 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

**Contact type:** Socket with lamellas for increased current transfer

**Maximum current (short-term) [A]:** 300

**Test current [A]:** 240

**Rated current (continuous) [A]:** 200

**Contact Material:** CU alloy

**Protective layer:** Silver plated, 3.5µm

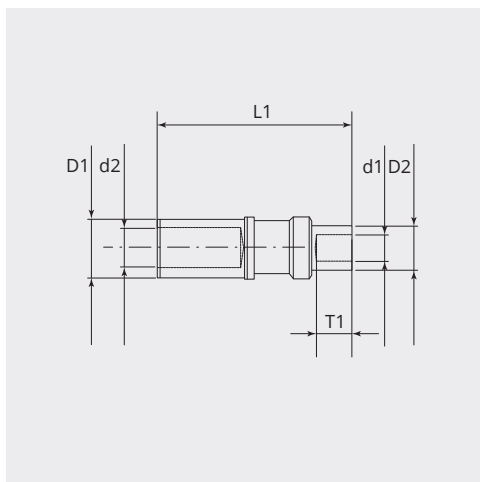
**Connection type:** Crimp

**Wire section [mm<sup>2</sup>]:** 50

**Wire section [AWG]:** 0

**Stripping length [mm]:** 22

## DIMENSIONS



## DIMENSIONS

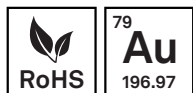
|            |      |
|------------|------|
| D1 Ø [mm]: | 15   |
| D2 Ø [mm]: | 14.6 |
| d1 Ø [mm]: | 10.5 |
| d2 Ø [mm]: | 14.6 |
| L1 [mm]:   | 55   |
| T1 [mm]:   | 20.5 |

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

Item number: 10-40556-20-1AU

Product weight (kg): 0.0016 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

Maximum current (short-term) [A]: 22

Test current [A]: 20

Rated current (continuous) [A]: 13

Contact Material: CU alloy

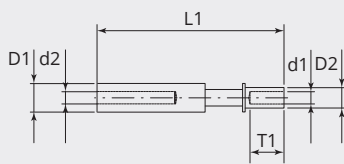
Protective layer: Gold plated, 0.5µm

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 |
| d1 Ø [mm]: | 1.75 |
| d2 Ø [mm]: | 1.6  |
| L1 [mm]:   | 37   |
| T1 [mm]:   | 6.4  |