

# Plug with rubber coated coupling nut, short version

Series GB

Item number: GB603-32-15SN-EAC  
Packing unit: 1



## MECHANICAL PROPERTIES

|                                           |                    |
|-------------------------------------------|--------------------|
| Size:                                     | 32                 |
| Contact type:                             | Socket             |
| Number of coding options:                 | 4                  |
| Number of contacts:                       | 8                  |
| Number of contacts, size 0:               | 2                  |
| Number of contacts, size 12:              | 6                  |
| Shell material:                           | Aluminum alloy     |
| Surface:                                  | Epoxy-polyurethane |
| Type of surface:                          | Varnished          |
| Thickness of surface treatment [ $\mu$ ]: | 13-16 $\mu$        |
| Surface colour:                           | Black              |
| Corrosion resistance [h]:                 | 500                |

## MECHANICAL PROPERTIES

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

## THERMAL PROPERTIES

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

## ELECTRICAL PROPERTIES

|                                    |              |
|------------------------------------|--------------|
| Operating voltage DC [V]:          | 1250         |
| Operating voltage AC [V]:          | 900          |
| Test voltage AC [V]:               | 2800         |
| Insulation resistance (mΩ):        | ≥ 5000       |
| Insulation creepage distance [mm]: | ≥ 4.8        |
| Voltage class:                     | MIL-DTL-5015 |

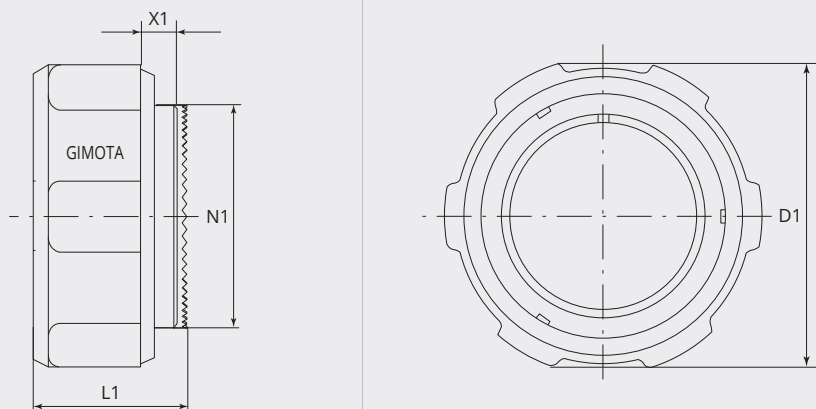
## ELECTRICAL PROPERTIES CONTACTS

|                                             |     |
|---------------------------------------------|-----|
| 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 12 - rated current (continuous) [A]:   | 23  |
| Size 12 - maximum current (short-term) [A]: | 41  |
| Size 12 - test current [A]:                 | 35  |

## STANDARDS

|                                   |         |
|-----------------------------------|---------|
| Fire protection class EN 45545-2: | R23/HL3 |
|-----------------------------------|---------|

## DIMENSIONS



## DIMENSIONS

|            |                 |
|------------|-----------------|
| D1 Ø [mm]: | 76              |
| L1 [mm]:   | 38              |
| N1:        | 1 7/8"-16 UN 2A |
| X1 [mm]:   | 10.5            |

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

Item number: 10-40560-30AU

Product weight (kg): 0.0035 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

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

|                                   |    |
|-----------------------------------|----|
| 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 |
| d1 Ø [mm]: | 2.95 |
| d2 Ø [mm]: | 2.4  |
| L1 [mm]:   | 38   |
| T1 [mm]:   | 8.5  |

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

Item number: 10-903-0-252G76

Product weight (kg): 0.0373 kg

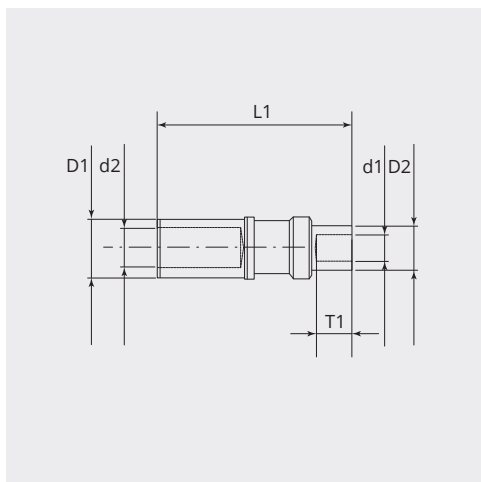
Packing unit:



### 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, 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

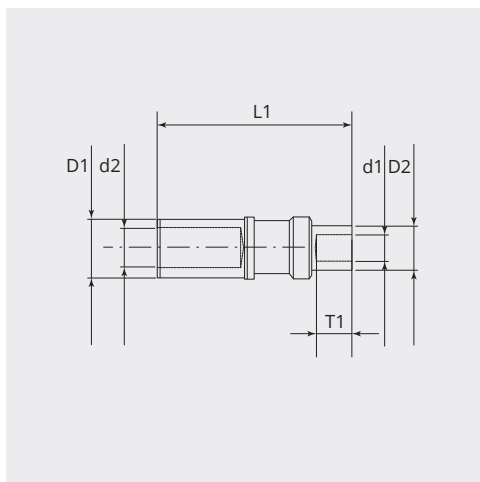
Connection type: Crimp

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

Wire section [AWG]: 0

Stripping length [mm]: 22

## DIMENSIONS



## DIMENSIONS

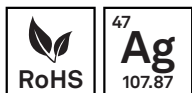
|            |      |
|------------|------|
| D1 Ø [mm]: | 15   |
| D2 Ø [mm]: | 14.6 |
| d1 Ø [mm]: | 10.5 |
| d2 Ø [mm]: | 14.6 |
| L1 [mm]:   | 53   |
| T1 [mm]:   | 20.5 |

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

Item number: 10-903-0-352G89

Product weight (kg): 0.0423 kg

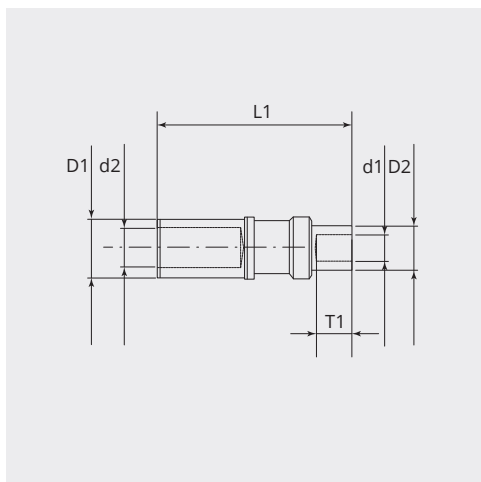
Packing unit:



### 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 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

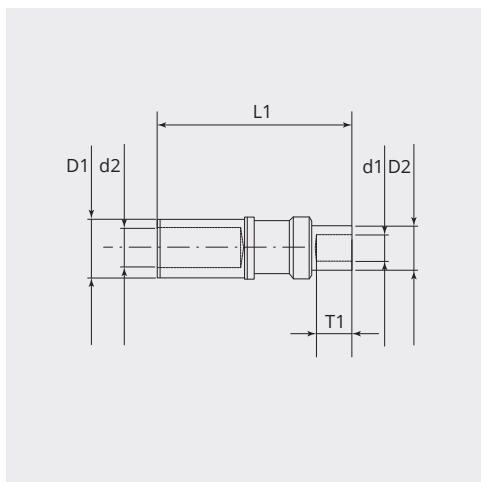
Protective layer: Silver plated, 3.5µm

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 12, 1.5mm<sup>2</sup>

Item number: 10-40560-18AU

Product weight (kg): 0.0033 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

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 |
| d1 Ø [mm]: | 1.75 |
| d2 Ø [mm]: | 2.4  |
| L1 [mm]:   | 38   |
| T1 [mm]:   | 8.5  |

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

Item number: 10-40560-11AU

Product weight (kg): 0.0031 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

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



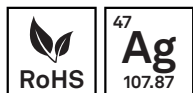
## DIMENSIONS

|            |     |
|------------|-----|
| D1 Ø [mm]: | 4.8 |
| D2 Ø [mm]: | 3   |
| d1 Ø [mm]: | 1.1 |
| d2 Ø [mm]: | 2.4 |
| L1 [mm]:   | 38  |
| T1 [mm]:   | 8.5 |

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

Item number: 10-905-0-352G89

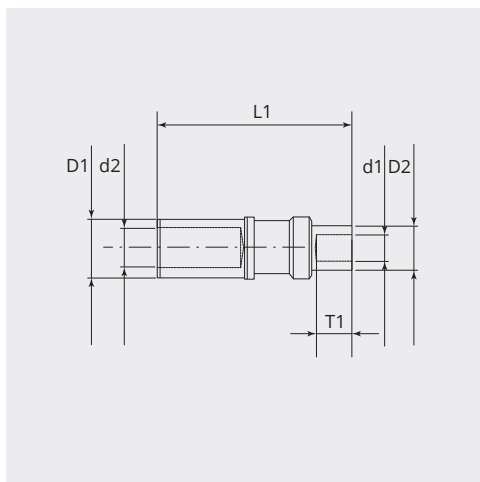
Packing unit:



### 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



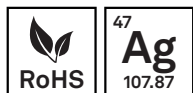
## DIMENSIONS

|            |     |
|------------|-----|
| 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 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

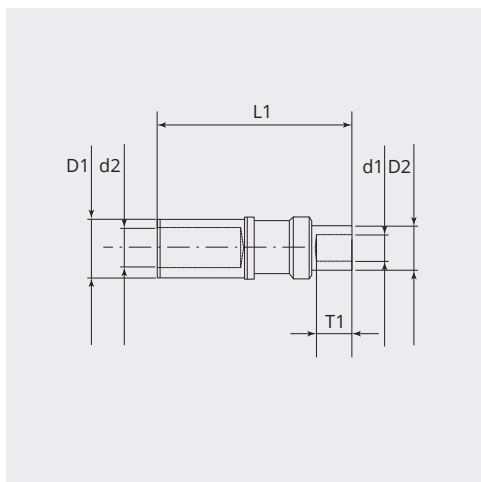
**Protective layer:** Silver plated, 3.5µm

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

Item number: 10-40560-15AU

Product weight (kg): 0.0032 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

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



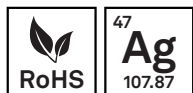
## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 4.8  |
| D2 Ø [mm]: | 3.35 |
| d1 Ø [mm]: | 1.45 |
| d2 Ø [mm]: | 2.4  |
| L1 [mm]:   | 38   |
| T1 [mm]:   | 8.5  |

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

Item number: 10-905-0-162G62

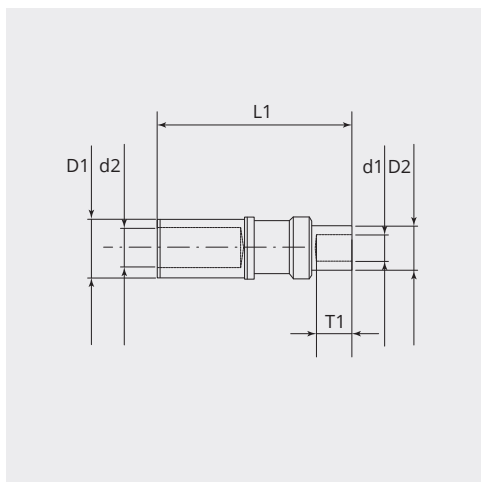
Packing unit:



### 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

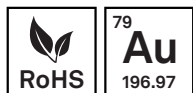
|            |     |
|------------|-----|
| D1 Ø [mm]: | 15  |
| D2 Ø [mm]: | 9.3 |
| d1 Ø [mm]: | 6.2 |
| d2 Ø [mm]: | 9.3 |
| L1 [mm]:   | 50  |
| T1 [mm]:   | 16  |

## Socket contact size 12, 2.5mm<sup>2</sup>

Item number: 10-40560-22AU

Product weight (kg): 0.0033 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

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

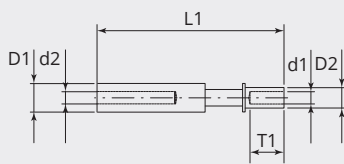
Connection type: Crimp

Wire section [mm<sup>2</sup>]: 2.5

Wire section [AWG]: 14

Stripping length [mm]: 9

## DIMENSIONS



## DIMENSIONS

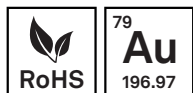
|            |      |
|------------|------|
| D1 Ø [mm]: | 4.8  |
| D2 Ø [mm]: | 3.95 |
| d1 Ø [mm]: | 2.25 |
| d2 Ø [mm]: | 2.4  |
| L1 [mm]:   | 38   |
| T1 [mm]:   | 8.5  |

## Socket contact size 12, 6.0mm<sup>2</sup>

Item number: 10-40560-38AU

Product weight (kg): 0.0033 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

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

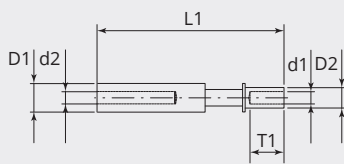
Connection type: Crimp

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

Wire section [AWG]: 10

Stripping length [mm]: 9

## DIMENSIONS



## DIMENSIONS

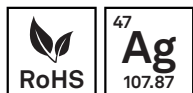
|            |      |
|------------|------|
| D1 Ø [mm]: | 4.8  |
| D2 Ø [mm]: | 4.75 |
| d1 Ø [mm]: | 3.5  |
| d2 Ø [mm]: | 2.4  |
| L1 [mm]:   | 38   |
| T1 [mm]:   | 8.5  |

## 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

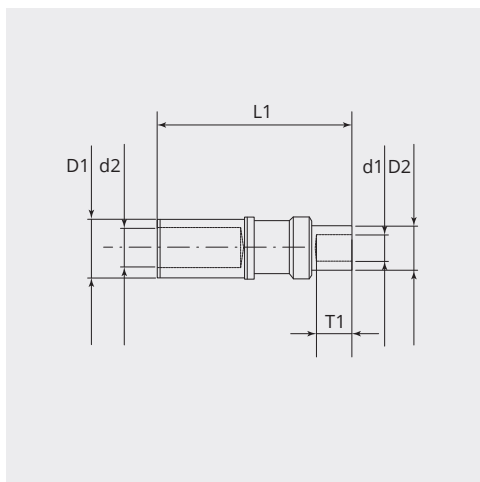
**Connection type:** Crimp

**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 |