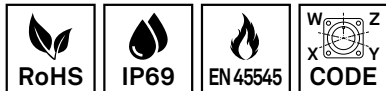


# Plug with rubber coated coupling nut, short version

Series GB

Item number: GB603-18-4PN-EAC

Packing unit: 1



## MECHANICAL PROPERTIES

|                                           |                    |
|-------------------------------------------|--------------------|
| Size:                                     | 18                 |
| Contact type:                             | Pin                |
| Number of coding options:                 | 4                  |
| Number of contacts:                       | 4                  |
| Number of contacts, size 16:              | 4                  |
| 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                |
| Operation temperature [ $^{\circ}$ C]:    | -55 - +125         |

## MECHANICAL PROPERTIES

|                               |                |
|-------------------------------|----------------|
| Temperature shock [°C]:       | -55 - +125     |
| Conductivity (MΩ):            | Non conductive |
| EMI:                          | No             |
| Material sealing ring:        | Silicone       |
| Coupling-torque to lock [Nm]: | max. 4.0       |
| Coupling-torque to open [Nm]: | min. 1.0       |

## 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 |

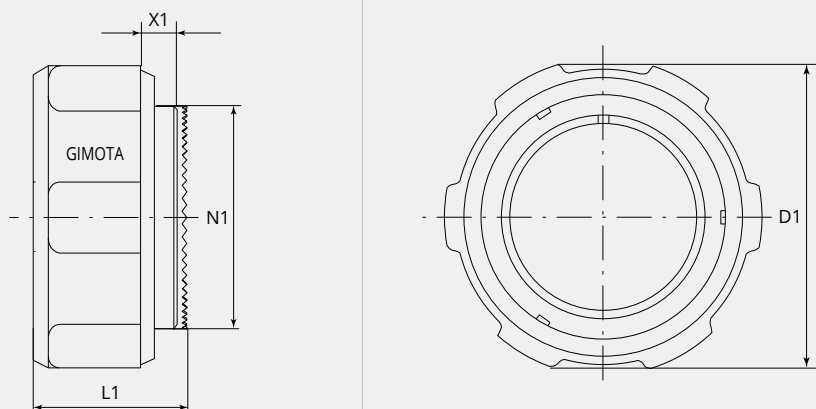
## ELECTRICAL PROPERTIES CONTACTS

|                                             |    |
|---------------------------------------------|----|
| Size 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

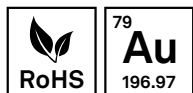
|                   |               |
|-------------------|---------------|
| <b>D1 Ø [mm]:</b> | 48            |
| <b>L1 [mm]:</b>   | 36            |
| <b>N1:</b>        | 1"-20 UNEF 2A |
| <b>X1 [mm]:</b>   | 9             |

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

Item number: 10-40557-05AU

Product weight (kg): 0.0009 kg

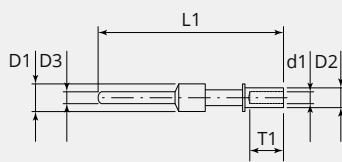
Packing unit:



### 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

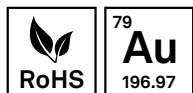
|            |      |
|------------|------|
| D1 Ø [mm]: | 3.1  |
| D2 Ø [mm]: | 2.15 |
| D3 Ø [mm]: | 1.6  |
| d1 Ø [mm]: | 1.1  |
| L1 [mm]:   | 32   |
| T1 [mm]:   | 6.4  |

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

Item number: 10-40557AU

Product weight (kg): 0.001 kg

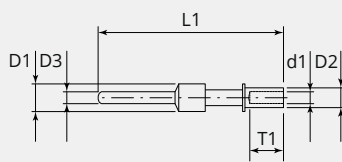
Packing unit:



### 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 |

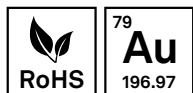


## Pin contact size 16, 1.5mm<sup>2</sup>

Item number: 10-40557-20-1AU

Product weight (kg): 0.001 kg

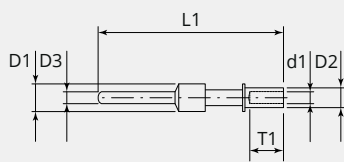
Packing unit:



### 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

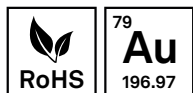
|            |      |
|------------|------|
| D1 Ø [mm]: | 3.1  |
| D2 Ø [mm]: | 2.62 |
| D3 Ø [mm]: | 1.6  |
| d1 Ø [mm]: | 1.75 |
| L1 [mm]:   | 32   |
| T1 [mm]:   | 6.4  |

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

Item number: 10-40557-075AU

Product weight (kg): 0.0009 kg

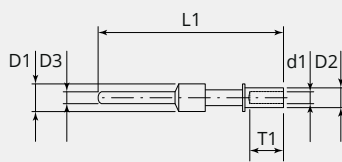
Packing unit:



### 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  |