

# Rubberised plug-set with bayonet ring

Item number: GB064XL14S-A7PN-EAA-A10

Packing unit: 1



## THE SET INCLUDES:

Plug: GB604-14S-A7PN-EAA

Backshell: EII14S-04-AA

## MECHANICAL PROPERTIES

|                                           |                |
|-------------------------------------------|----------------|
| Size:                                     | 14S            |
| Contact type:                             | Pin            |
| Number of coding options:                 | 1              |
| Number of contacts, size 16s:             | 7              |
| 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 [°C]:               | -55 - +90      |
| Temperature shock [°C]:                   | -55 - +125     |
| Conductivity (M $\Omega$ ):               | $\leq 0.5$     |
| EMI:                                      | Yes            |
| Material sealing ring:                    | Silicone       |
| Coupling-torque to lock [Nm]:             | max. 1.8       |
| Coupling-torque to open [Nm]:             | min. 0.55      |
| Number of mating cycles (min.):           | 500            |

## THERMAL PROPERTIES

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Material contact insert:           | Ethylene acrylate GXF / thermoplastic |
| Operating temperature insert [°C]: | -55 - +150                            |
| Temperature shock [°C]:            | -55 - +125                            |

## 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 |

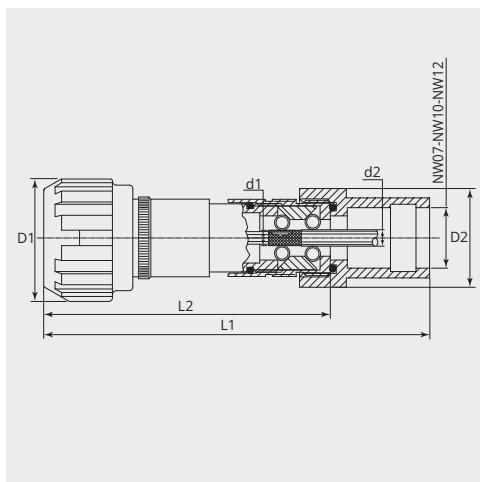
## ELECTRICAL PROPERTIES CONTACTS

|                                              |    |
|----------------------------------------------|----|
| Size 16S - rated current (continuous) [A]:   | 13 |
| Size 16S - maximum current (short-term) [A]: | 22 |
| Size 16S - test current [A]:                 | 20 |

## STANDARDS

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

## DIMENSIONS



## DIMENSIONS

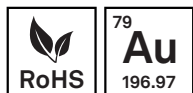
|            |         |
|------------|---------|
| D1 Ø [mm]: | 40.2    |
| D2 Ø [mm]: | 29.0    |
| d1 Ø [mm]: | 4-7     |
| d2 Ø [mm]: | 4-8     |
| L2 [mm]:   | max. 87 |

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

Item number: 10-40553-05AU

Product weight (kg): 0.0006 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

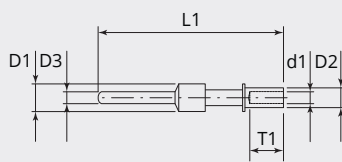
Connection type: Crimp

Wire section [mm<sup>2</sup>]: 0.25 - 0.5

Wire section [AWG]: 22 - 20

Stripping length [mm]: 7

## DIMENSIONS



## DIMENSIONS

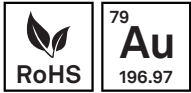
|            |      |
|------------|------|
| D1 Ø [mm]: | 3.1  |
| D2 Ø [mm]: | 2.15 |
| D3 Ø [mm]: | 1.6  |
| d1 Ø [mm]: | 1.1  |
| L1 [mm]:   | 27   |
| T1 [mm]:   | 6.4  |

## Pin contact size 16S, 0.75 - 1.5mm<sup>2</sup>

Item number: 10-40553AU

Product weight (kg): 0.0006 kg

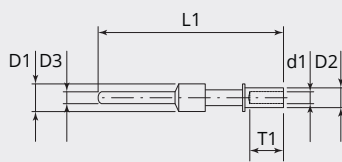
Packing unit:



### 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 - 1.5         |
| Wire section [AWG]:               | 16                 |
| 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]:   | 27   |
| T1 [mm]:   | 6.4  |