

# Plug-set with bayonet coupling nut, for EMI applications

Series GB

Item number: GB061XE14S-5PN-EAE-A10

Packing unit: 1



## THE SET INCLUDES:

Plug: GB601-14S-5PN-EAE

Backshell: EC-14-05-AE

Accessories: SUGSC297  
FTH08-04

## MECHANICAL PROPERTIES

|                                           |                    |
|-------------------------------------------|--------------------|
| Size:                                     | 14S                |
| Contact type:                             | Pin contact        |
| Number of coding options:                 | 1                  |
| Number of contacts, size 16s:             | 5                  |
| Shell material:                           | Aluminum alloy     |
| Surface:                                  | Electroless nickel |
| Thickness of surface treatment [ $\mu$ ]: | 12-15 $\mu$        |
| Surface colour:                           | Blank              |
| Corrosion resistance [h]:                 | 48                 |
| Operation temperature [°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          |

## THERMAL PROPERTIES

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

## 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 |

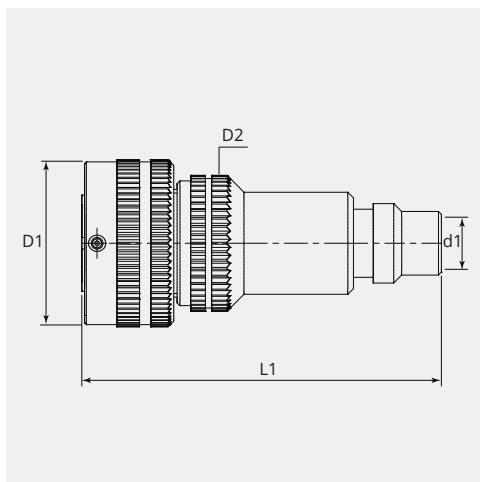
## ELECTRICAL PROPERTIES CONTACTS

|                                              |    |
|----------------------------------------------|----|
| 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:    | R22:HL1/HL2/HL3<br>R23: HL1/HL2/HL3 |
| Protection class EN 60529 (mounted): | IP69                                |

## DIMENSIONAL DRAWING



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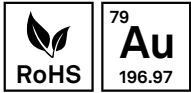
|            |           |
|------------|-----------|
| D1 Ø [mm]: | 29.5      |
| D2 Ø [mm]: | 24        |
| d1 Ø [mm]: | 5.2 / 9.2 |
| L1 [mm]:   | 65        |

## 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

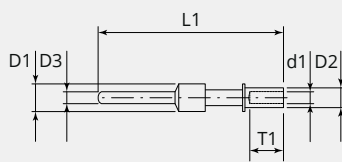
Connection type: Crimp

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

Wire section [AWG]: 22 - 20

Stripping length [mm]: 7

## DIMENSIONS



## DIMENSIONS

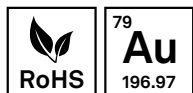
|            |      |
|------------|------|
| D1 Ø [mm]: | 3.1  |
| D2 Ø [mm]: | 2.15 |
| D3 Ø [mm]: | 1.6  |
| d1 Ø [mm]: | 1.1  |
| L1 [mm]:   | 27   |
| T1 [mm]:   | 6.4  |

## 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

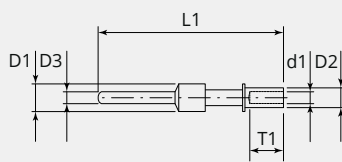
Connection type: Crimp

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  |



# Filler plug, size 16/16S

Item number: 10-101033-121

Product weight (kg): 0.0001 kg

Packing unit:

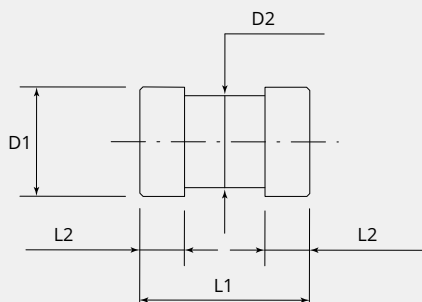


## MECHANICAL PROPERTIES

Contact Material:

Polyamide

## DIMENSIONS





## DIMENSIONS

|            |     |
|------------|-----|
| D1 Ø [mm]: | 3   |
| D2 Ø [mm]: | 1.8 |
| L1 [mm]:   | 12  |
| L2 [mm]:   | 3.2 |