

Plug-set with bayonet coupling nut, for EMI applications

Series GB

Item number: GB061XE14S-5SX-EAE-A11

Packing unit: 1



THE SET INCLUDES:

Plug:	GB601-14S-5SX-EAE
Backshell:	EC-14-05-AE
Accessories:	SUGSC297 FTH08-04 PP14S-D
Contacts:	10-40552-05AU

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 [μ]:	12-15 μ
Surface colour:	Blank
Corrosion resistance [h]:	48
Operation temperature [°C]:	-55 - +125
Conductivity (M Ω):	≤ 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

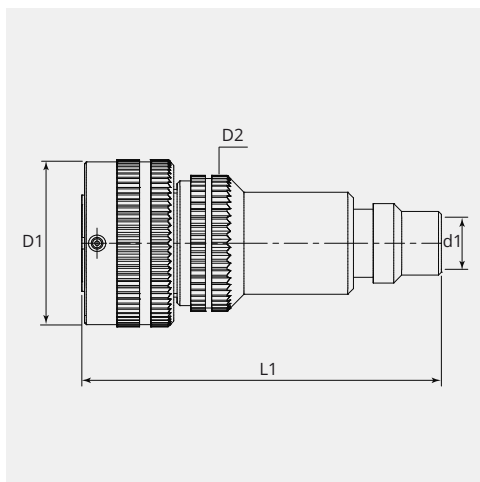
ELECTRICAL PROPERTIES CONTACTS

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 R23: HL1/HL2/HL3
Protection class EN 60529 (mounted):	IP69

DIMENSIONAL DRAWING



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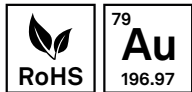
D1 Ø [mm]:	29.5
D2 Ø [mm]:	24
d1 Ø [mm]:	5.2 / 9.2
L1 [mm]:	65

Socket contact size 16S, 0.25 - 0.5mm²

Item number: 10-40552-05AU

Product weight (kg): 0.0001 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

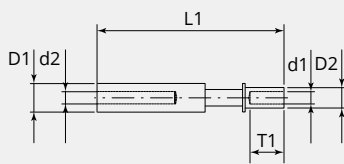
Connection type: Crimp

Wire section [mm²]: 0.25 - 0.5

Wire section [AWG]: 22 - 20

Stripping length [mm]: 7

DIMENSIONS



DIMENSIONS

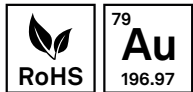
D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.15
d1 Ø [mm]:	1.1
d2 Ø [mm]:	1.6
L1 [mm]:	27
T1 [mm]:	6.4

Socket contact size 16S, 0.75 - 1.5mm²

Item number: 10-40552AU

Product weight (kg): 0.0009 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

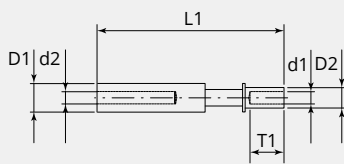
Connection type: Crimp

Wire section [mm²]: 0.75 - 1.5

Wire section [AWG]: 16

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]:	27
T1 [mm]:	6.4

Filler plug, size 16/16S

Item number: 10-101033-121

Product weight (kg): 0.0001 kg

Packing unit:

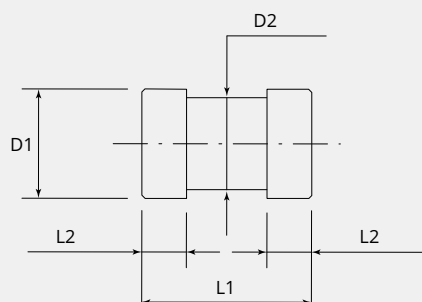


MECHANICAL PROPERTIES

Contact Material:

Polyamide

DIMENSIONS





DIMENSIONS

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