

Receptacle with flange

Series GR

Item number: GR321-36-3SN-EAA

Packing unit: 1



MECHANICAL PROPERTIES

Size:	36
Contact type:	Socket
Number of coding options:	4
Number of contacts:	6
Number of contacts, size 0:	3
Number of contacts, size 12:	3
Shell material:	Aluminum alloy
Surface:	Zinc
Type of surface:	Passivated
Thickness of surface treatment [μ]:	12-15 μ
Surface colour:	Black
Corrosion resistance [h]:	200
Operation temperature [$^{\circ}$ C]:	-55 - +90

MECHANICAL PROPERTIES

Temperature shock [°C]:	-55 - +125
Conductivity (MΩ):	≤ 0.5
EMI:	Yes
Coupling-torque to lock [Nm]:	max. 9.0
Coupling-torque to open [Nm]:	min. 4.5

THERMAL PROPERTIES

Material contact insert:	Ethylene acrylate GXF
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

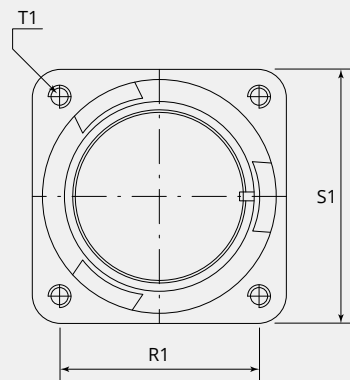
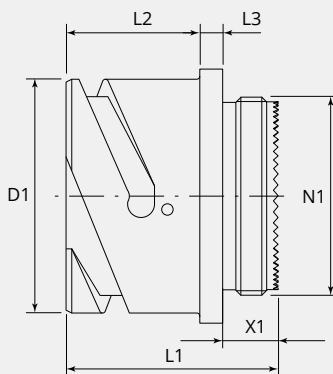
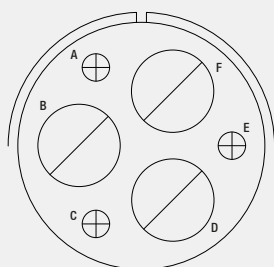
ELECTRICAL PROPERTIES CONTACTS

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]:	200
Size 0* - maximum current (short-term) [A]:	300
Size 0* - test current [A]:	240
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
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DIMENSIONS



DIMENSIONS

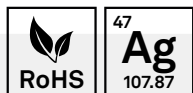
D1 Ø [mm]:	60
L1 [mm]:	39.5
L2 [mm]:	24.1
L3 [mm]:	4.0
N1:	2 1/16"-16 UN 2A
T1 [mm]:	4.3 / M5
X1 [mm]:	11.3
S1 [mm]:	63.5
R1 [mm]:	49.2

- Please contact your Gimota partner for other shell materials, surface coatings or contact insert materials.
- Voltage classes tested acc. MIL-DTL-5015 Power transmission verification acc. VG95234 / 2 test 5.10.1 and VG95210 / 37
- Corrosion resistance tested acc. MIL 1344A Test 101.1 Temperature shock tested acc. MIL 202F, 107G Method
- Electrical conductivity acc. MIL 1344A, Test 3007

Socket contact size 0*, 35mm²

Item number: 10-905-0-352G89

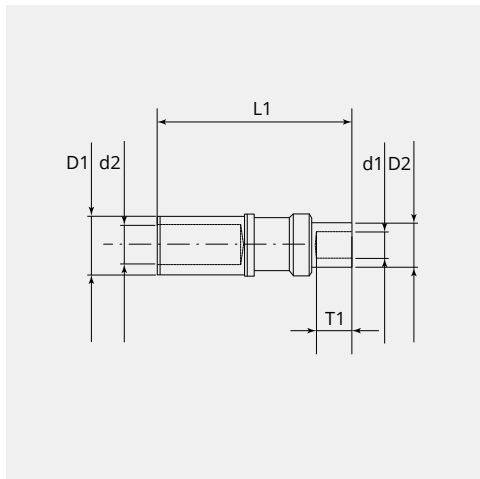
Packing unit:



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 ²]:	35
Wire section [AWG]:	0
Stripping length [mm]:	19

DIMENSIONS



DIMENSIONS

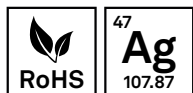
D1 Ø [mm]:	15
D2 Ø [mm]:	13
d1 Ø [mm]:	8.9
d2 Ø [mm]:	13
L1 [mm]:	52
T1 [mm]:	18

Socket contact size 0, 50mm²

Item number: 10-903-0-502G10

Product weight (kg): 0.0434 kg

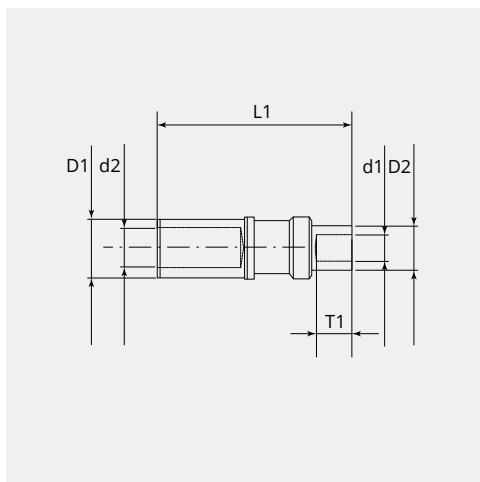
Packing unit:



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 ²]:	50
Wire section [AWG]:	0
Stripping length [mm]:	22

DIMENSIONS



DIMENSIONS

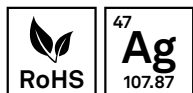
D1 Ø [mm]:	15
D2 Ø [mm]:	14.6
d1 Ø [mm]:	10.5
d2 Ø [mm]:	14.6
L1 [mm]:	53
T1 [mm]:	20.5

Socket contact size 0, 16mm²

Item number: 10-903-0-162G62

Product weight (kg): 0.0331 kg

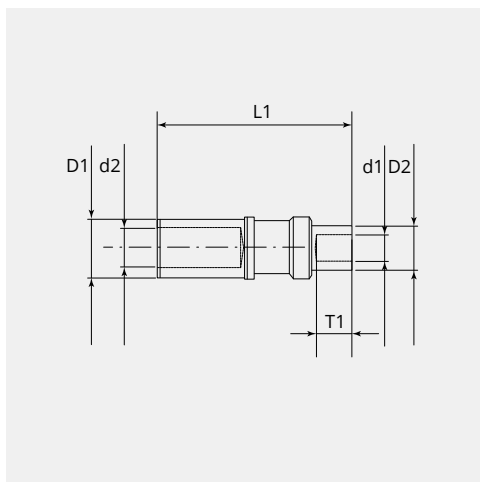
Packing unit:



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 ²]:	16
Stripping length [mm]:	17

DIMENSIONS



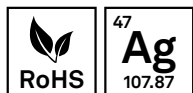
DIMENSIONS

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 0*, 25mm²

Item number: 10-905-0-252G76

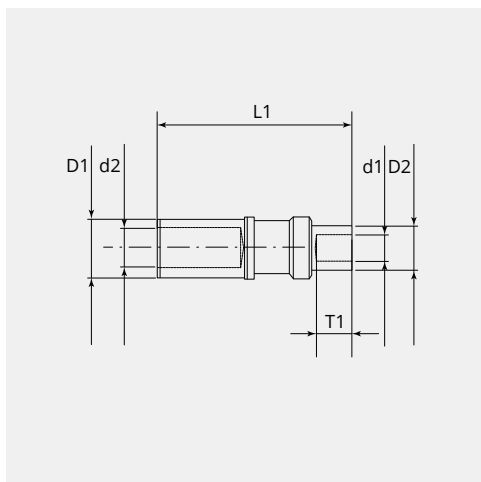
Packing unit: 100



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 ²]:	25
Stripping length [mm]:	18

DIMENSIONS



DIMENSIONS

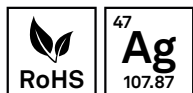
D1 Ø [mm]:	15
D2 Ø [mm]:	11.7
d1 Ø [mm]:	7.6
d2 Ø [mm]:	11.7
L1 [mm]:	51
T1 [mm]:	17

Socket contact size 0, 35mm²

Item number: 10-903-0-352G89

Product weight (kg): 0.0423 kg

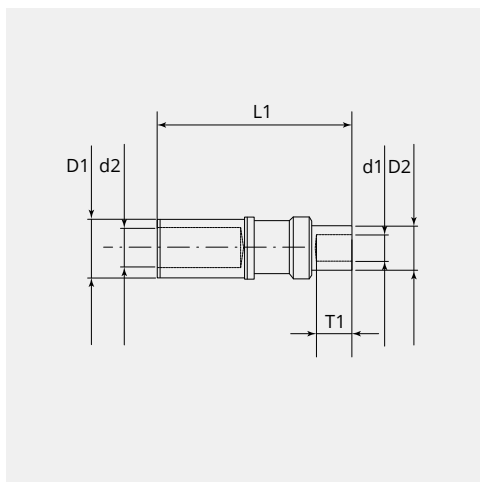
Packing unit:



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 ²]:	35
Wire section [AWG]:	0
Stripping length [mm]:	19

DIMENSIONS



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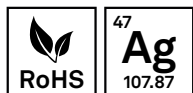
D1 Ø [mm]:	15
D2 Ø [mm]:	13
d1 Ø [mm]:	8.9
d2 Ø [mm]:	13
L1 [mm]:	52
T1 [mm]:	18

Socket contact size 0, 25mm²

Item number: 10-903-0-252G76

Product weight (kg): 0.0373 kg

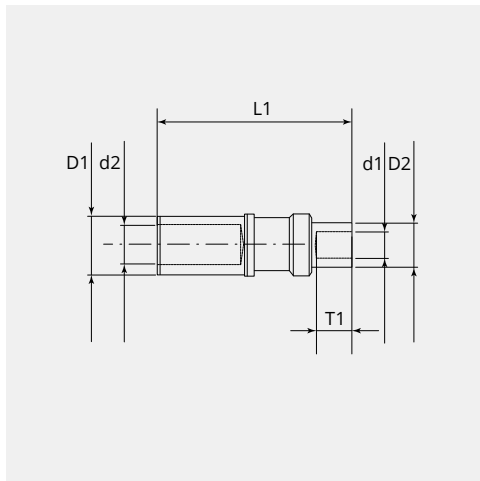
Packing unit:



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Contact type:	Socket
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Protective layer:	Silver plated, 3.5µm
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DIMENSIONS



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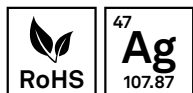
D1 Ø [mm]:	15
D2 Ø [mm]:	11.7
d1 Ø [mm]:	7.6
d2 Ø [mm]:	11.7
L1 [mm]:	49
T1 [mm]:	17

Socket contact size 0*, 50mm²

Item number: 10-905-0-502G10

Product weight (kg): 0.0457 kg

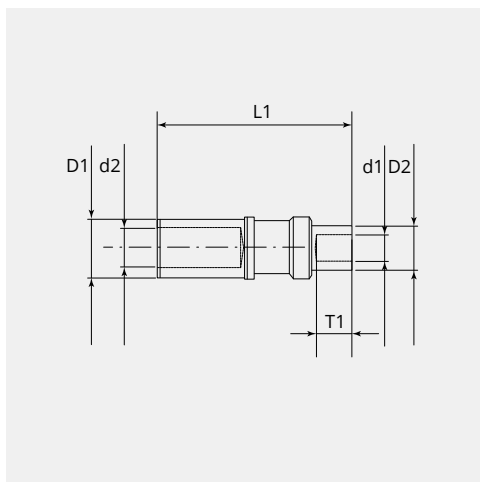
Packing unit:



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 ²]:	50
Wire section [AWG]:	0
Stripping length [mm]:	22

DIMENSIONS



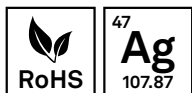
DIMENSIONS

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

Socket contact size 0*, 16mm²

Item number: 10-905-0-162G62

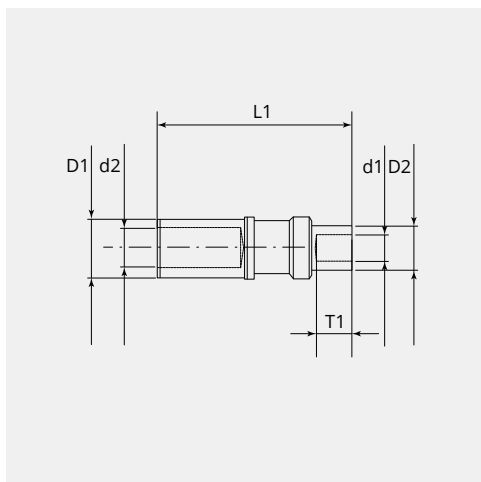
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