

Plug with rubber coated coupling nut

Series GR

Item number: GR602-22-21SN-EAA

Packing unit: 1



MECHANICAL PROPERTIES

Size:	22
Contact type:	Socket
Number of coding options:	4
Number of contacts:	3
Number of contacts, size 0:	1
Number of contacts, size 16:	2
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

Coupling-torque to lock [Nm]: max. 6.0

Coupling-torque to open [Nm]: min. 1.5

THERMAL PROPERTIES

Material contact insert: Ethylene acrylate GXF

Operating temperature insert [°C]: -55 - +150

ELECTRICAL PROPERTIES

Operating voltage DC [V]: 700

Operating voltage AC [V]: 500

Test voltage AC [V]: 2000

Insulation resistance (MΩ): ≥ 5000

Insulation creepage distance [mm]: ≥ 3.2

Voltage class: MIL-DTL-5015

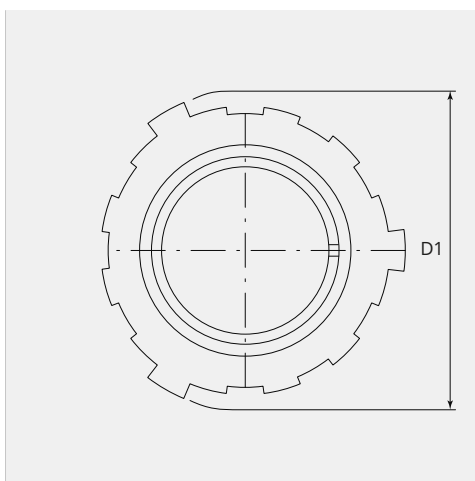
ELECTRICAL PROPERTIES CONTACTS

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]:	240
Size 0* - maximum current (short-term) [A]:	200
Size 0* - test current [A]:	245
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
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DIMENSIONS



DIMENSIONS

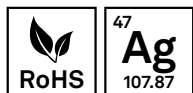
D1 Ø [mm]:	56
L1 [mm]:	39.0
N1:	1 1/4"-18 UNEF 2A
X1 [mm]:	9.0

- 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*, 16mm²

Item number: 10-905-0-162G62

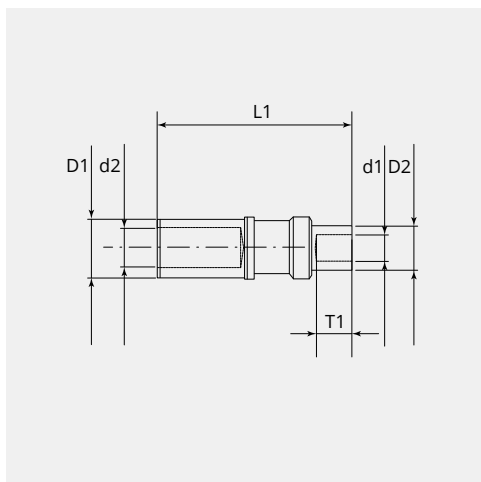
Packing unit:



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]:	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]:	50
T1 [mm]:	16

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*, 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
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Maximum current (short-term) [A]:	300
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Test current [A]:	240
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Rated current (continuous) [A]:	200
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Contact Material:	CU alloy
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Protective layer:	Silver plated, 3.5µm
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Connection type:	Crimp
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Wire section [mm ²]:	50
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Wire section [AWG]:	0
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Stripping length [mm]:	22
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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 16, 0.75mm²

Item number: 10-40556-075AU

Product weight (kg): 0.0015 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

Wire section [AWG]: 18

Stripping length [mm]: 7

DIMENSIONS



DIMENSIONS

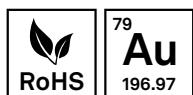
D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.2
d1 Ø [mm]:	1.35
d2 Ø [mm]:	1.6
L1 [mm]:	37
T1 [mm]:	6.4

Socket contact size 16, 1.0mm²

Item number: 10-40556AU

Product weight (kg): 0.0016 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]: 1

Wire section [AWG]: 16

Stripping length [mm]: 7

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.9
d1 Ø [mm]:	1.8
d2 Ø [mm]:	1.6
L1 [mm]:	37
T1 [mm]:	6.4

Socket contact size 16, 0.25 - 0.5mm²

Item number: 10-40556-05AU

Product weight (kg): 0.0002 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



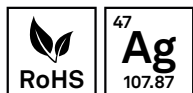
DIMENSIONS

D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.15
d1 Ø [mm]:	1.1
d2 Ø [mm]:	1.6
L1 [mm]:	37
T1 [mm]:	6.4

Socket contact size 0*, 35mm²

Item number: 10-905-0-352G89

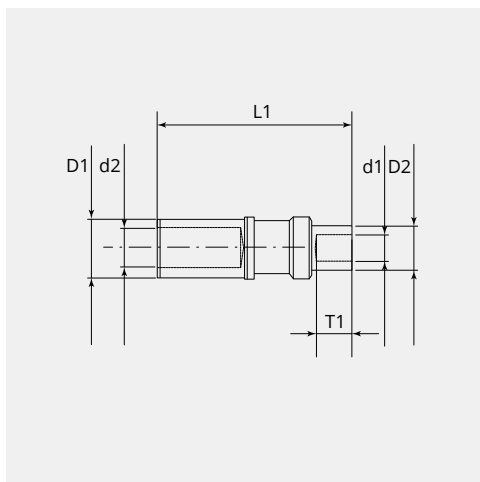
Packing unit:



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, 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

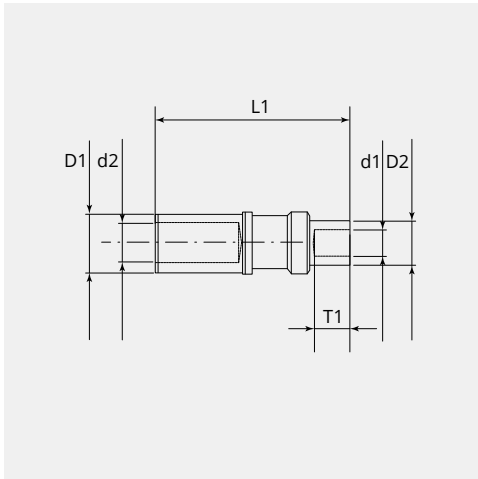
Connection type: Crimp

Wire section [mm²]: 35

Wire section [AWG]: 0

Stripping length [mm]: 19

DIMENSIONS



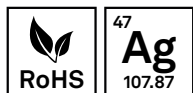
DIMENSIONS

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*, 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

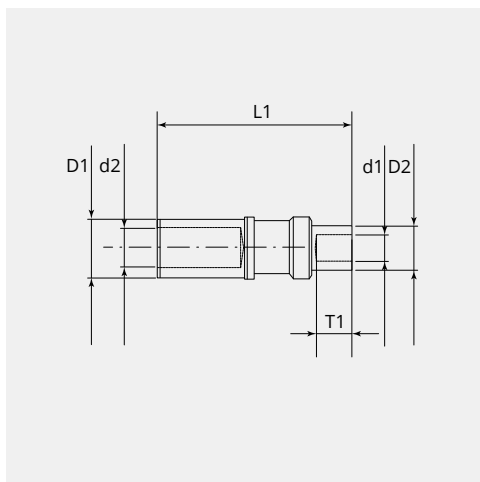
Protective layer: Silver plated, 3.5µm

Connection type: Crimp

Wire section [mm²]: 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, 25mm²

Item number: 10-903-0-252G76

Product weight (kg): 0.0373 kg

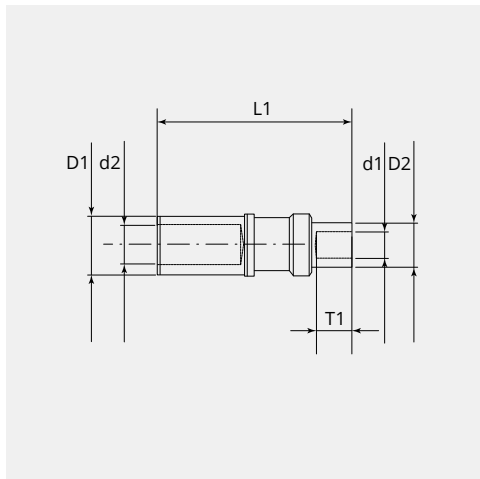
Packing unit:



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]:	25
Stripping length [mm]:	18

DIMENSIONS



DIMENSIONS

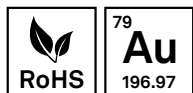
D1 Ø [mm]:	15
D2 Ø [mm]:	11.7
d1 Ø [mm]:	7.6
d2 Ø [mm]:	11.7
L1 [mm]:	49
T1 [mm]:	17

Socket contact size 16, 1.5mm²

Item number: 10-40556-20-1AU

Product weight (kg): 0.0016 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

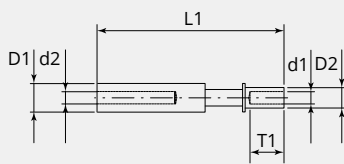
Protective layer: Gold plated, 0.5μm

Connection type: Crimp

Wire section [mm²]: 1.5

Stripping length [mm]: 7

DIMENSIONS



DIMENSIONS

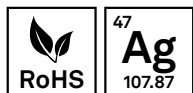
D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.62
d1 Ø [mm]:	1.75
d2 Ø [mm]:	1.6
L1 [mm]:	37
T1 [mm]:	6.4

Socket contact size 0, 16mm²

Item number: 10-903-0-162G62

Product weight (kg): 0.0331 kg

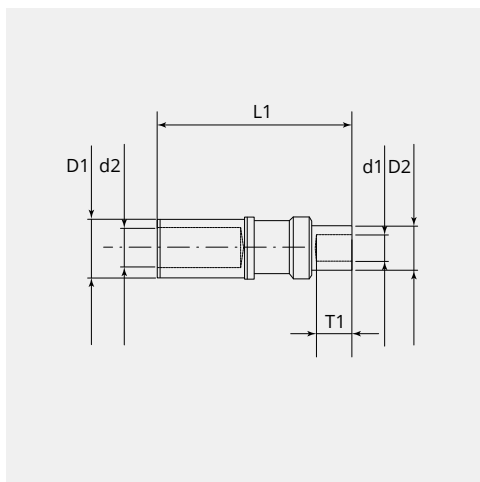
Packing unit:



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