

Plug with rubber coated coupling nut, short version

Series GB

Item number: GB603-40-A8SN-EAC
Packing unit: 1



MECHANICAL PROPERTIES

Size:	40
Contact type:	Socket
Number of coding options:	4
Number of contacts:	8
Number of contacts, size 0:	4
Number of contacts, size 16:	4
Shell material:	Aluminum alloy
Surface:	Epoxy-polyurethane
Type of surface:	Varnished
Thickness of surface treatment [μ]:	13-16 μ
Surface colour:	Black
Corrosion resistance [h]:	500

MECHANICAL PROPERTIES

Operation temperature [°C]:	-55 - +125
Temperature shock [°C]:	-55 - +125
Conductivity (MΩ):	Non conductive
EMI:	No
Material sealing ring:	Silicone
Coupling-torque to lock [Nm]:	max. 10.0
Coupling-torque to open [Nm]:	min. 5.9

THERMAL PROPERTIES

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

ELECTRICAL PROPERTIES

Operating voltage DC [V]:	1750
Operating voltage AC [V]:	1250
Test voltage AC [V]:	3500
Insulation resistance (mΩ):	≥ 5000
Insulation creepage distance [mm]:	≥ 6.3
Voltage class:	MIL-DTL-5015

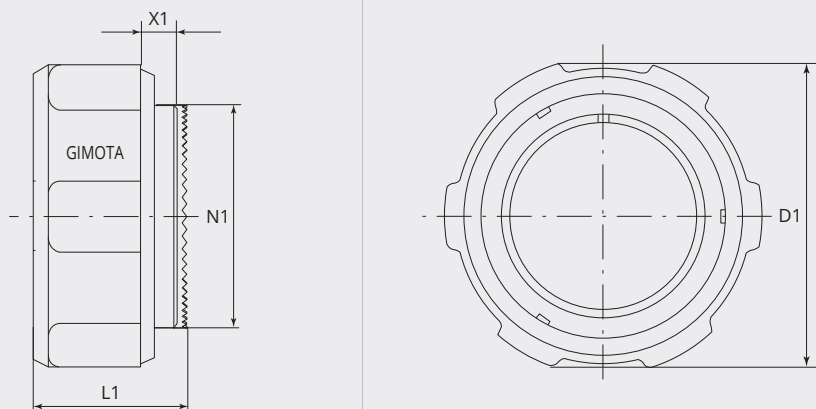
ELECTRICAL PROPERTIES CONTACTS

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
-----------------------------------	---------

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	84
L1 [mm]:	38.5
N1:	2 5/16"-16 UN 2A
X1 [mm]:	11.3

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 [mm ²]:	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 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

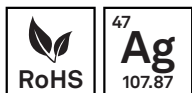
D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.15
d1 Ø [mm]:	1.1
d2 Ø [mm]:	1.6
L1 [mm]:	37
T1 [mm]:	6.4

Socket contact size 0, 16mm²

Item number: 10-903-0-162G62

Product weight (kg): 0.0331 kg

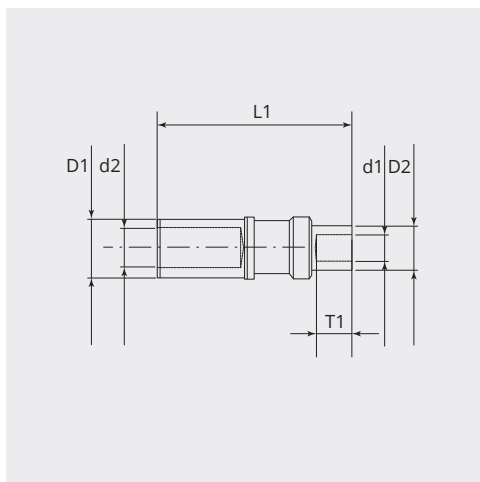
Packing unit:



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: 10-903-0-252G76

Product weight (kg): 0.0373 kg

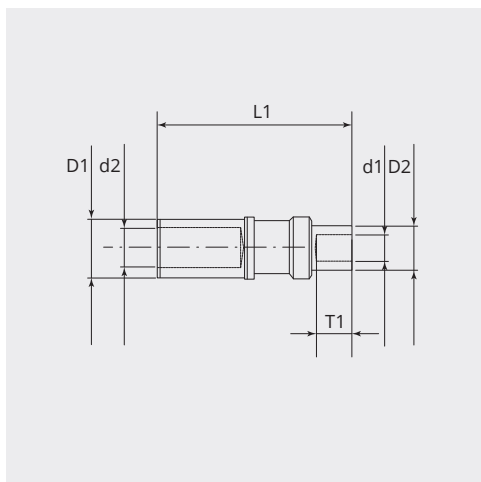
Packing unit:



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 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 [mm²]: 50

Wire section [AWG]: 0

Stripping length [mm]: 22

DIMENSIONS



DIMENSIONS

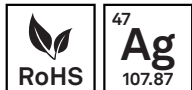
D1 Ø [mm]:	15
D2 Ø [mm]:	14.6
d1 Ø [mm]:	10.5
d2 Ø [mm]:	14.6
L1 [mm]:	53
T1 [mm]:	20.5

Socket contact size 0, 35mm²

Item number: 10-903-0-352G89

Product weight (kg): 0.0423 kg

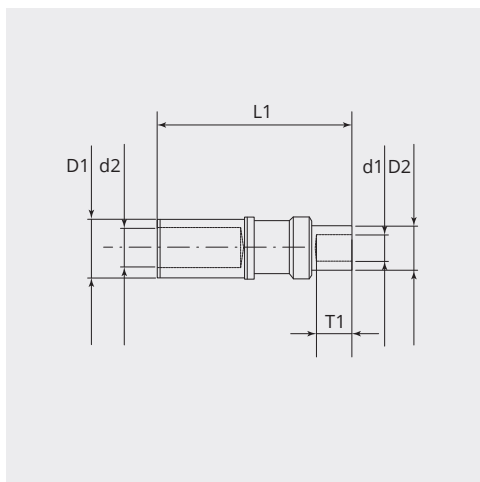
Packing unit:



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



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 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



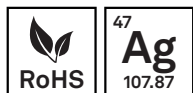
DIMENSIONS

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 0*, 35mm²

Item number: 10-905-0-352G89

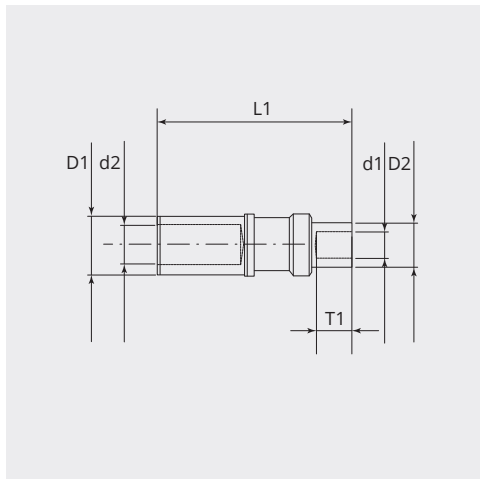
Packing unit:



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: 10-905-0-502G10

Product weight (kg): 0.0457 kg

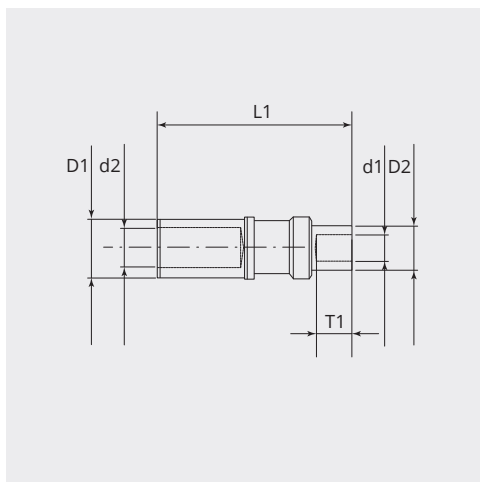
Packing unit:



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

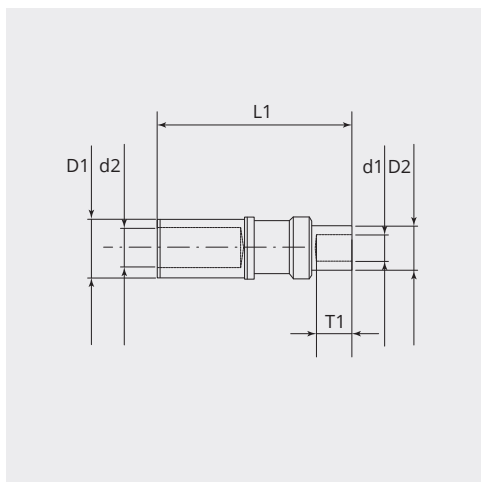
Packing unit:



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



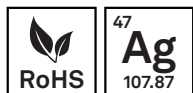
DIMENSIONS

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*, 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

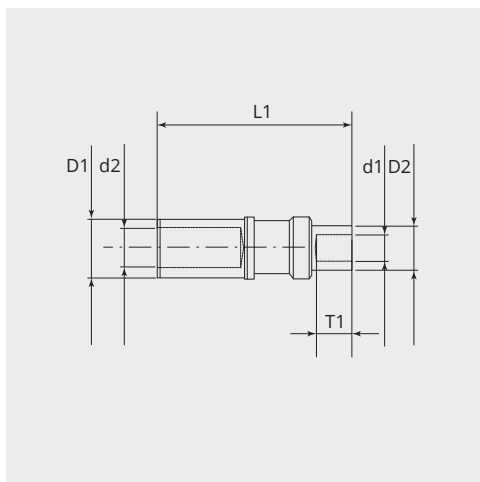
Protective layer: Silver plated, 3.5µm

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