

Series GR

Packing unit: 1



Size: 18

Contact type: Socket

Number of coding options: 4

Number of contacts: 10

Number of contacts, size 16: 10

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 [°C]: -55 - +90

MECHANICAL PROPERTIES

Temperature shock [°C]:	-55 - +125
Conductivity (MΩ):	≤ 0.5
Coupling-torque to lock [Nm]:	max. 4.0
Coupling-torque to open [Nm]:	min. 1.0

THERMAL PROPERTIES

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

ELECTRICAL PROPERTIES

Contact numbers:	B, C, F, G
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
Contact numbers:	Rest
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 index:	MIL-DTL-5015

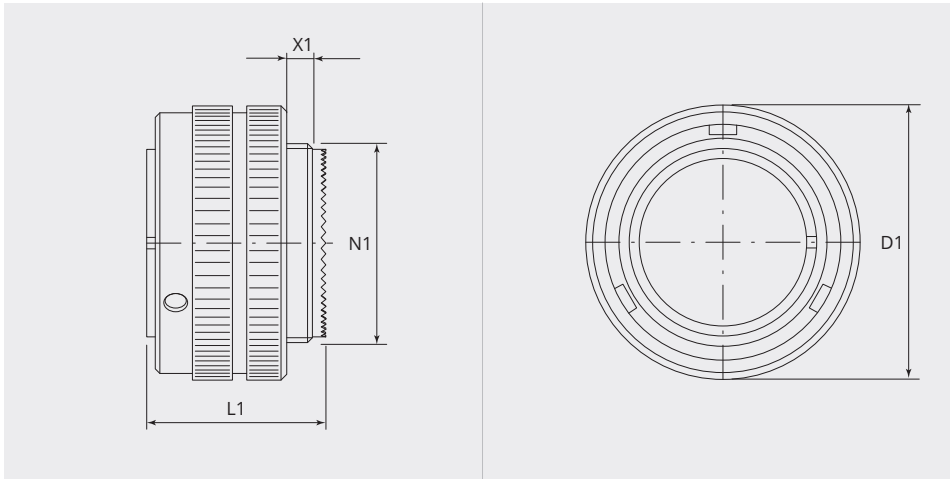
ELECTRICAL PROPERTIES CONTACTS

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]:	37
L1 [mm]:	36.0
N1:	1"-20 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 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 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