

Receptacle with threaded coupling, front panel mount

Series GT

Item number: GT210-20-A48SN-EAC
Packing unit: 1



MECHANICAL PROPERTIES

Size:	20
Contact type:	Socket
Number of coding options:	2
Number of contacts:	19
Number of contacts, size 16:	19
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
Operation temperature [$^{\circ}$ C]:	-55 - +125

MECHANICAL PROPERTIES

Temperature shock [°C]:	-55 - +125
Conductivity (MΩ):	Non conductive
EMI:	No
Coupling-torque to lock [Nm]:	max. 5.0
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]:	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

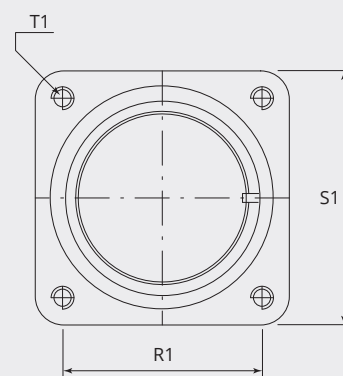
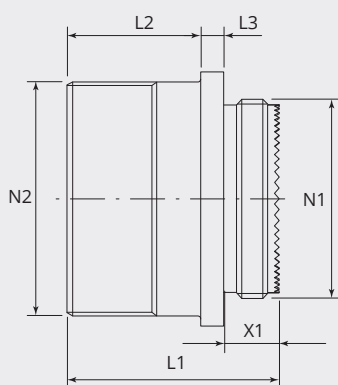
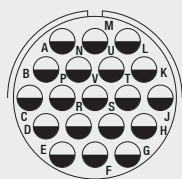
Size 16 - rated current (continuous) [A]:	13
Size 16 - maximum current (short-term) [A]:	22
Size 16 - test current [A]:	20

STANDARDS

Fire protection class EN 45545-2:

R23/HL3

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	34.2
L1 [mm]:	38.8
L2 [mm]:	23.1
L3 [mm]:	4.0
N1:	1 1/8"-18 UNEF 2A
N2:	1 1/4"-18 UNEF 2A
T1 [mm]:	3.2

DIMENSIONS

X1 [mm]:	9.0
S1 [mm]:	38.1
R1 [mm]:	29.4

- 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 [mm ²]:	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, 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 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