

Receptacle with flange

Series GR

Item number: GR321-22-21PN-EAA

Packing unit: 1



MECHANICAL PROPERTIES

Size:	22
Contact type:	Pin
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 [°C]:	-55 - +90

MECHANICAL PROPERTIES

Temperature shock [°C]:	-55 - +125
Conductivity (MΩ):	≤ 0.5
EMI:	Yes
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

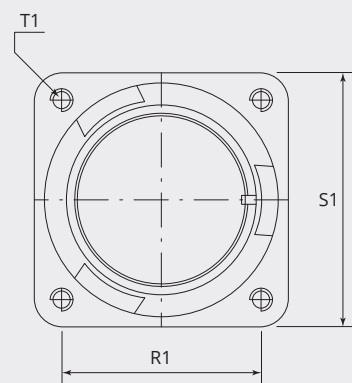
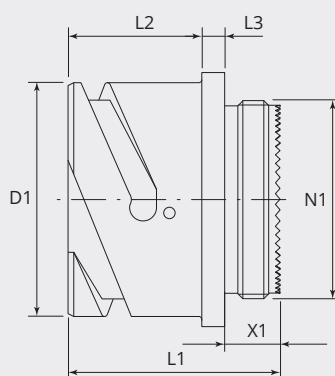
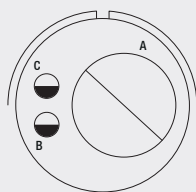
ELECTRICAL PROPERTIES CONTACTS

Size 0 - rated current (continuous) [A]:	200
Size 0 - maximum current (short-term) [A]:	300
Size 0 - test current [A]:	240
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]:	37.4
L1 [mm]:	38.8
L2 [mm]:	23.1
L3 [mm]:	4.0
N1:	1 1/4"-18 UNEF 2A
T1 [mm]:	3.2 / M4
X1 [mm]:	9.0
S1 [mm]:	41
R1 [mm]:	31.8

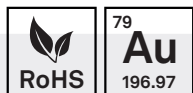
- Please contact your Gimota partner for other shell materials, surface coatings or contact insert materials.
- Voltage classes tested acc. MIL-DTL-5015 Power transmission verification acc. VG95234 / 2 test 5.10.1 and VG95210 / 37
- Corrosion resistance tested acc. MIL 1344A Test 101.1 Temperature shock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

Pin contact size 16, 1.5mm²

Item number: 10-40557-20-1AU

Product weight (kg): 0.001 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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

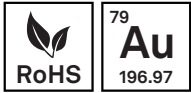
D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.62
D3 Ø [mm]:	1.6
d1 Ø [mm]:	1.75
L1 [mm]:	32
T1 [mm]:	6.4

Pin contact size 16, 0.75mm²

Item number: 10-40557-075AU

Product weight (kg): 0.0009 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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
D3 Ø [mm]:	1.6
d1 Ø [mm]:	1.35
L1 [mm]:	32
T1 [mm]:	6.4

Pin contact size 16, 0.25 - 0.5mm²

Item number: 10-40557-05AU

Product weight (kg): 0.0009 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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]:	0.25 - 0.5
Wire section [AWG]:	22 - 20
Stripping length [mm]:	7

DIMENSIONS



DIMENSIONS

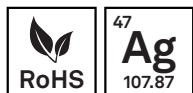
D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.15
D3 Ø [mm]:	1.6
d1 Ø [mm]:	1.1
L1 [mm]:	32
T1 [mm]:	6.4

Pin contact size 0, 50mm²

Item number: 10-660-0-502G10

Product weight (kg): 0.0441 kg

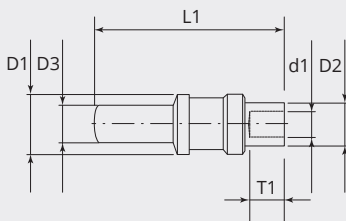
Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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
D3 Ø [mm]:	9
d1 Ø [mm]:	10.5
L1 [mm]:	56
T1 [mm]:	20.5

Pin contact size 16, 1.0mm²

Item number: 10-40557AU

Product weight (kg): 0.001 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

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

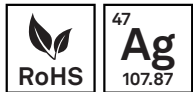
D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.9
D3 Ø [mm]:	1.6
d1 Ø [mm]:	1.8
L1 [mm]:	32
T1 [mm]:	6.4

Pin contact size 0, 35mm²

Item number: 10-660-0-352G89

Product weight (kg): 0.0402 kg

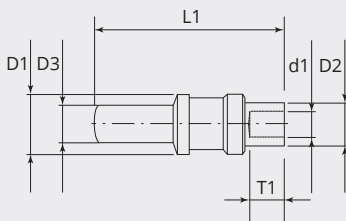
Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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]:	2 - 1
Stripping length [mm]:	18

DIMENSIONS



DIMENSIONS

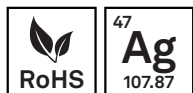
D1 Ø [mm]:	15
D2 Ø [mm]:	13
D3 Ø [mm]:	9
d1 Ø [mm]:	8.9
L1 [mm]:	53
T1 [mm]:	19

Pin contact size 0, 16mm²

Item number: 10-660-0-162G62

Product weight (kg): 0.0334 kg

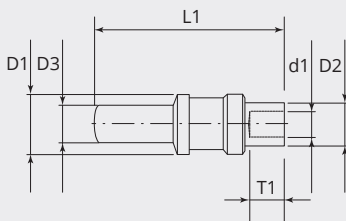
Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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

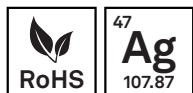
D1 Ø [mm]:	15
D2 Ø [mm]:	9.3
D3 Ø [mm]:	9
d1 Ø [mm]:	6.2
L1 [mm]:	51
T1 [mm]:	17

Pin contact size 0, 25mm²

Item number: 10-660-0-252G76

Product weight (kg): 0.0376 kg

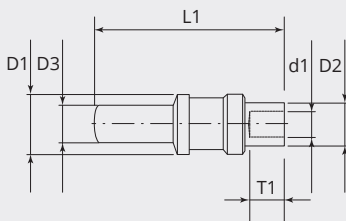
Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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
D3 Ø [mm]:	9
d1 Ø [mm]:	7.6
L1 [mm]:	52
T1 [mm]:	17