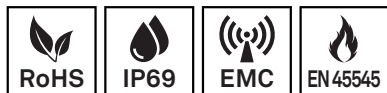


Receptacle with flange

Series GR

Item number: GR321-22-23PN-EAA

Packing unit: 1



MECHANICAL PROPERTIES

Size:	22
Contact type:	Pin
Number of coding options:	2
Number of contacts:	8
Number of contacts, size 12:	8
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
Temperature shock [°C]:	-55 - +125

MECHANICAL PROPERTIES

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

Contact numbers:	H
Operating voltage DC [V]:	1250
Operating voltage AC [V]:	900
Test voltage AC [V]:	2800
Insulation resistance (mΩ):	≥ 5000
Insulation creepage distance [mm]:	≥ 4.8
Voltage class:	MIL-DTL-5015
Contact numbers:	Rest
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 index:	MIL-DTL-5015

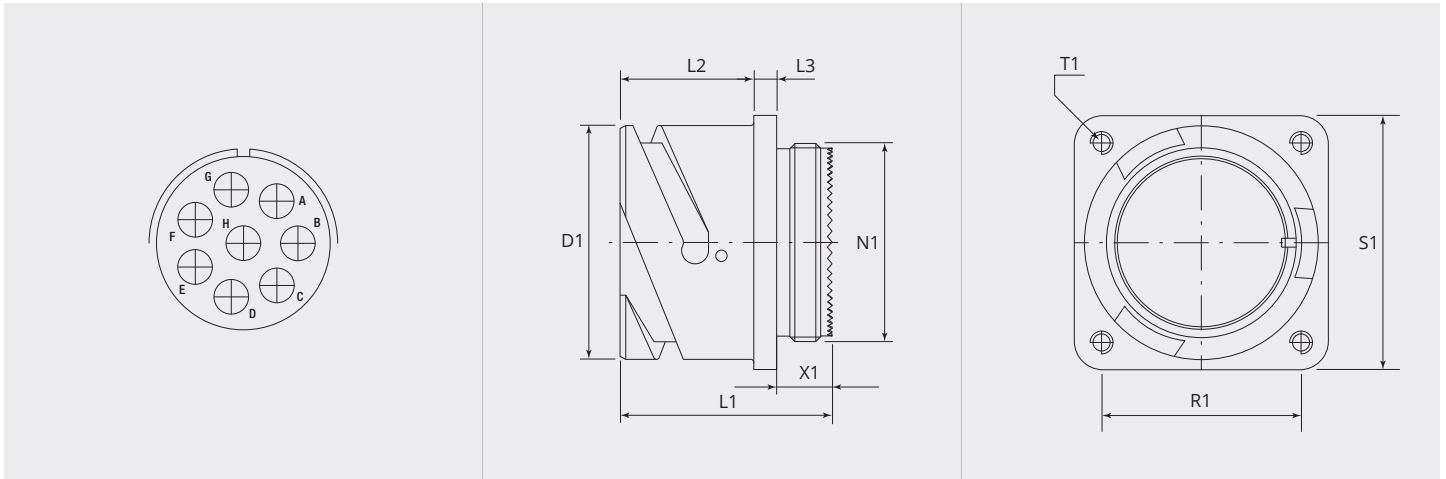
ELECTRICAL PROPERTIES CONTACTS

Size 12 - rated current (continuous) [A]:	23
Size 12 - maximum current (short-term) [A]:	41
Size 12 - test current [A]:	35

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 12, 0.5mm²

Item number: 10-40561-11AU

Product weight (kg): 0.0022 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 41

Test current [A]: 35

Rated current (continuous) [A]: 23

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

Connection type: Crimp

Wire section [mm²]: 0.5

Wire section [AWG]: 20

Stripping length [mm]: 9

DIMENSIONS



DIMENSIONS

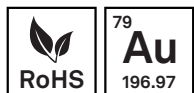
D1 Ø [mm]:	4.8
D2 Ø [mm]:	3
D3 Ø [mm]:	2.4
d1 Ø [mm]:	1.1
L1 [mm]:	38
T1 [mm]:	8.5

Pin contact size 12, 4.0mm²

Item number: 10-40561-30AU

Product weight (kg): 0.0025 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 41

Test current [A]: 35

Rated current (continuous) [A]: 23

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

Connection type: Crimp

Wire section [mm²]: 4

Wire section [AWG]: 12 - 10

Stripping length [mm]: 9

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	4.8
D2 Ø [mm]:	4.75
D3 Ø [mm]:	2.4
d1 Ø [mm]:	2.95
L1 [mm]:	38
T1 [mm]:	8.5

Pin contact size 12, 6.0mm²

Item number: 10-40561-38AU

Product weight (kg): 0.0023 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
Maximum current (short-term) [A]:	41
Test current [A]:	35
Rated current (continuous) [A]:	23
Contact Material:	CU alloy
Protective layer:	Gold plated, 0.5µm
Connection type:	Crimp
Wire section [mm ²]:	6
Wire section [AWG]:	10
Stripping length [mm]:	9

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	4.8
D2 Ø [mm]:	4.75
D3 Ø [mm]:	2.4
d1 Ø [mm]:	3.5
L1 [mm]:	38
T1 [mm]:	8.5

Pin contact size 12, 1.5mm²

Item number: 10-40561-18AU

Product weight (kg): 0.0024 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 41

Test current [A]: 35

Rated current (continuous) [A]: 23

Contact Material: CU alloy

Protective layer: Gold plated, 0.5μm

Connection type: Crimp

Wire section [mm²]: 1.5

Wire section [AWG]: 18 - 16

Stripping length [mm]: 9

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	4.8
D2 Ø [mm]:	3.95
D3 Ø [mm]:	2.4
d1 Ø [mm]:	1.75
L1 [mm]:	38
T1 [mm]:	8.5

Pin contact size 12, 2.5mm²

Item number: 10-40561-22AU

Product weight (kg): 0.0023 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
Maximum current (short-term) [A]:	41
Test current [A]:	35
Rated current (continuous) [A]:	23
Contact Material:	CU alloy
Protective layer:	Gold plated, 0.5µm
Connection type:	Crimp
Wire section [mm ²]:	2.5
Wire section [AWG]:	14
Stripping length [mm]:	9

DIMENSIONS



DIMENSIONS

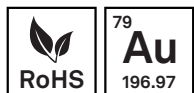
D1 Ø [mm]:	4.8
D2 Ø [mm]:	3.95
D3 Ø [mm]:	2.4
d1 Ø [mm]:	2.25
L1 [mm]:	38
T1 [mm]:	8.5

Pin contact size 12, 0.75 - 1.0mm²

Item number: 10-40561-15AU

Product weight (kg): 0.0022 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 41

Test current [A]: 35

Rated current (continuous) [A]: 23

Contact Material: CU alloy

Protective layer: Gold plated, 0.5μm

Connection type: Crimp

Wire section [mm²]: 0.75 - 1.0

Wire section [AWG]: 22 - 18

Stripping length [mm]: 9

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	4.8
D2 Ø [mm]:	3.35
D3 Ø [mm]:	2.4
d1 Ø [mm]:	1.45
L1 [mm]:	38
T1 [mm]:	8.5