

Receptacle with flange

Series GR

Item number: GR321-20-19PN-EAA

Packing unit: 1



MECHANICAL PROPERTIES

Size:	20
Contact type:	Pin
Number of coding options:	3
Number of contacts:	3
Number of contacts, size 8H:	3
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. 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]:	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

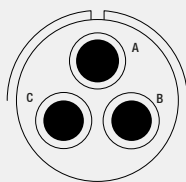
Size 8H - rated current (continuous) [A]:	56
Size 8H - maximum current (short-term) [A]:	90
Size 8H - test current [A]:	72

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
T1 [mm]:	3.2 / M4
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

Pin contact size 8H, 10mm²

Item number: 10-40794-50AG

Product weight (kg): 0.0066 kg

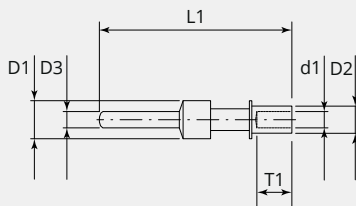
Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
Maximum current (short-term) [A]:	90
Test current [A]:	72
Rated current (continuous) [A]:	56
Contact Material:	CU alloy
Protective layer:	Silver plated, 3.5µm
Connection type:	Crimp
Wire section [mm ²]:	10
Wire section [AWG]:	8 - 6
Stripping length [mm]:	13

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	7.8
D2 Ø [mm]:	6.35
D3 Ø [mm]:	3.6
d1 Ø [mm]:	4.6
L1 [mm]:	41
T1 [mm]:	12.2

Pin contact size 8H, 2.5mm²

Item number: 10-40794-22AG

Product weight (kg): 0.006 kg

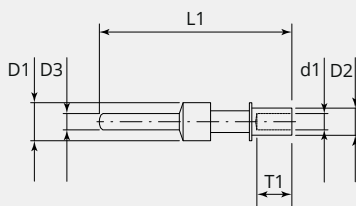
Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
Maximum current (short-term) [A]:	90
Test current [A]:	72
Rated current (continuous) [A]:	56
Contact Material:	CU alloy
Protective layer:	Silver plated, 3.5µm
Connection type:	Crimp
Wire section [mm ²]:	2.5
Wire section [AWG]:	12
Stripping length [mm]:	9

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	7.8
D2 Ø [mm]:	4
D3 Ø [mm]:	3.6
d1 Ø [mm]:	2.3
L1 [mm]:	41
T1 [mm]:	8.5

Pin contact size 8H, 1.5mm²

Item number: 10-40794-18AG

Product weight (kg): 0.0062 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
Maximum current (short-term) [A]:	90
Test current [A]:	72
Rated current (continuous) [A]:	56
Contact Material:	CU alloy
Protective layer:	Silver plated, 3.5µm
Connection type:	Crimp
Wire section [mm ²]:	1.5
Wire section [AWG]:	16
Stripping length [mm]:	9

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	7.8
D2 Ø [mm]:	4
D3 Ø [mm]:	3.6
d1 Ø [mm]:	1.75
L1 [mm]:	41
T1 [mm]:	8.5

Pin contact size 8H, 6mm²

Item number: 10-40794-38AG

Product weight (kg): 0.0061 kg

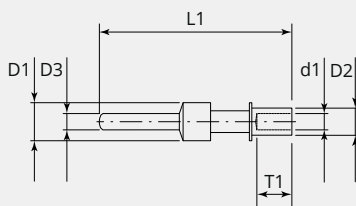
Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
Maximum current (short-term) [A]:	90
Test current [A]:	72
Rated current (continuous) [A]:	56
Contact Material:	CU alloy
Protective layer:	Silver plated, 3.5µm
Connection type:	Crimp
Wire section [mm ²]:	6
Wire section [AWG]:	10
Stripping length [mm]:	9

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	7.8
D2 Ø [mm]:	5
D3 Ø [mm]:	3.6
d1 Ø [mm]:	3.55
L1 [mm]:	41
T1 [mm]:	8.5