



Plug with rubber coated coupling nut, for EMI applications

Series GR

Item number: GR604-20-7PN-EAA

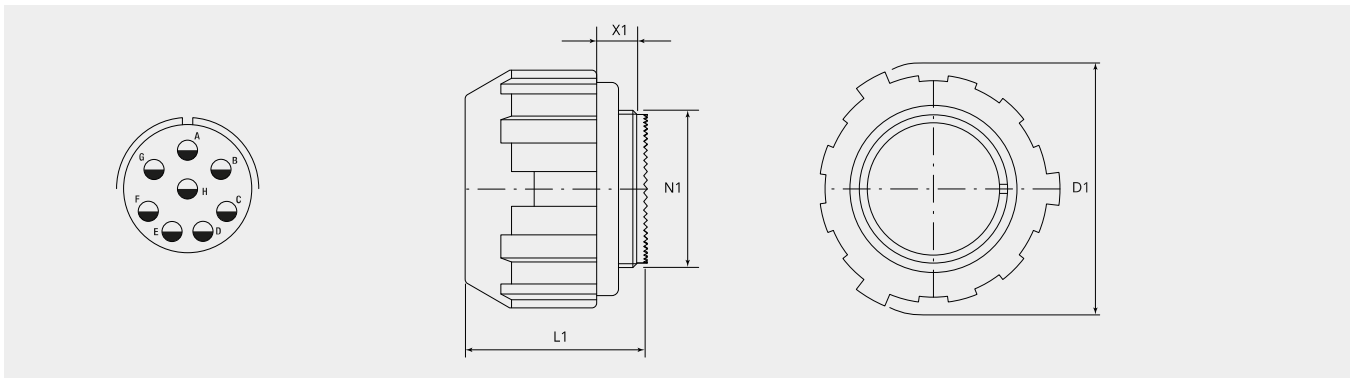
Packing unit: 1

Mechanical properties

Size:	20
Contact type:	Pin
Coding options:	4
Number of contacts, size 16:	8
Shell material:	Aluminum alloy
Surface treatment:	Zinc
Type of surface:	passivated
Thickness of surface treatment:	12-15μ
Surface colour:	black
Corrosion resistance (h):	200
Operation temperature:	-55°C - +90°C
Temperature shock:	-55°C - +125°C
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:	-55°C - +150°C
Fire protection class DIN EN 45545-2:	R23/HL3



Dimensional drawing

D1 (Ø):	51.5
L1 (mm):	39.0
N1:	1 1/8"-18 UNEF 2A
X1 (mm):	9.0

Electrical properties

Contact numbers:	A, B, G, H
Operating voltage DC (V):	1250
Operating voltage AC (V):	900
Test voltage AC (V):	2800
Insulation resistance (Ω m):	≥ 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 (Ω m):	≥ 5000
Insulation creepage distance (mm):	≥ 3.2
Voltage class:	MIL-DTL-5015

Electrical properties contacts

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

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

Complementary products:

Counterpart:



GR11-20-7SN-EAA

Cable receptacle



GR321-20-7SN-EAA

Receptacle with flange



GR72-20-7SN-EAA

Jam nut receptacle

Backshell:



BEN20-AA

90° elbow backshell



BEN20-M4B-AA

90° elbow backshell with internal metric thread



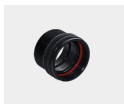
BSH20-AA

Backshell with groove for heatshrinkable shapes



BSL20-AA

Backshell straight, long



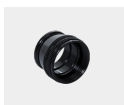
BSN20-AA

Backshell straight, standard



BSN20-M4B-AA

Backshell straight with internal metric thread



BST20-AA

Termination back shell typ R for grommet



ET-20-05-AA

EMI adapter with cone ring, for heatshrinkable shape

Contacts:



10-40557-05AU

Pin contact size 16, 0.25 - 0.5mm²



10-40557-075AU

Pin contact size 16, 0.75mm²



10-40557-20-1AU

Pin contact size 16, 1.5mm²



10-40557AU

Pin contact size 16, 1.0mm²

Filler plugs:



10-101033-121

Filler plug, size 16/16S

Protection cap:



PP20-AA

Metallic protection cap to bayonet plug (GB, GR & GS)



PP20-D

Plastic protection cap to bayonet plugs (GB, GR & GS)