



Plug with bayonet coupling nut

Series GS

Item number: GS60-28-10PN-EAA

Packing unit: 1

Bayonet connector for press-in contacts with 1 guiding key, steel slab at bayonet ramp locking edge and integrated waved ring spring. These connectors correspond to the standards MIL-DTL-5015 and VG95234. They can be used for both indoor and outdoor applications.

Depending on the backshell used watertightness of up to IP69K can be achieved for the connection. The connectors have been tested for outdoor use according to IEC EN 60529 IP65 / IP67 / IP68 (5bar) and according to DIN 40050 and IP69K.

For outdoor applications rubber coated bayonet rings with dust protection lips are recommended. In addition a back shell with sealed cable clamp or with an adapter for heat shrinkable shapes is required.

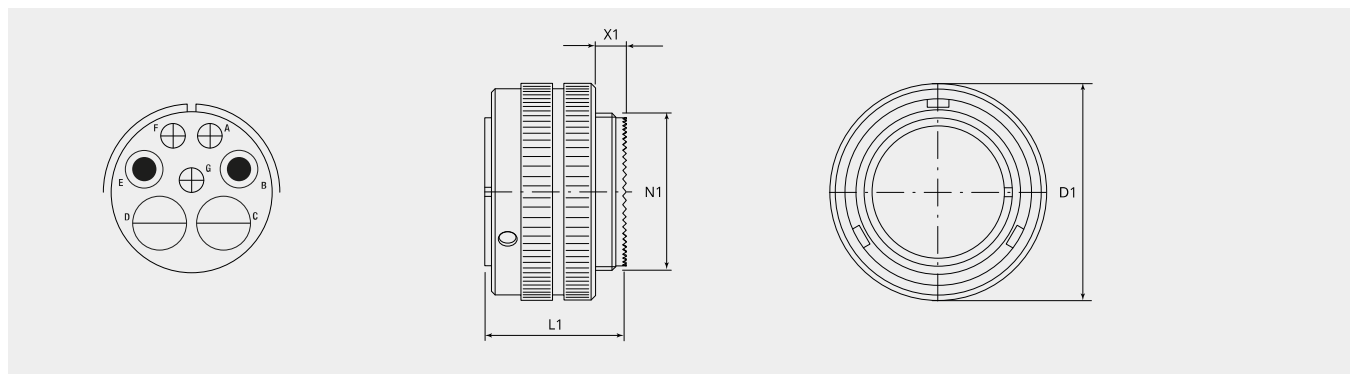
The main properties of these railway-fit connectors are, in brief: Bayonet coupling | Inserts up to 105 contacts | Cross sections from 0.5 to 50 mm² | Resistant against fuels, greas- and insulating oils etc. | High mechanical loading capacity

Mechanical properties

Size:	28
Contact type:	Pin
Coding options:	4
Number of contacts, size 12:	3
Number of contacts, size 4:	2
Number of contacts, size 8H:	2
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
Coupling-torque to lock (Nm):	max. 7.0
Coupling-torque to open (Nm):	min. 2.7

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):	54.0
L1 (mm):	36.0
N1:	1 5/8"-18 UNEF 2A
X1 (mm):	9.0

Electrical properties

Contact numbers:	G
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 4 - nominal current (A):	80
Size 4 - maximal current (A):	135
Size 4 - test current (A):	110
Size 8H - nominal current (A):	56
Size 8H - maximal current (A):	90
Size 8H - test current (A):	72
Size 12 - nominal current (A):	23
Size 12 - maximal current (A):	41
Size 12 - test current (A):	35

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:



GS11-28-10SN-EAA

Cable receptacle



GS321-28-10SN-EAA

Receptacle with flange



GS72-28-10SN-EAA

Jam nut receptacle



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Backshell:



BEN28-AA

90° elbow backshell



BEN28-M5B-AA

90° elbow backshell with internal metric thread



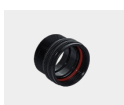
BSH28-AA

Backshell with groove for heatshrinkable shapes



BSL28-AA

Backshell straight, long



BSN28-AA

Backshell straight, standard



BSN28-M5B-AA

Backshell straight with internal metric thread



BST28-AA

Termination back shell typ R for grommet



ET-28-08-AA

EMI adapter with cone ring, for heatshrinkable shape

Contacts:



10-40561-11AU

Pin contact size 12, 0.5mm²



10-40561-15AU

Pin contact size 12, 0.75 - 1.0mm²



10-40561-18AU

Pin contact size 12, 1.5mm²



10-40561-22AU

Pin contact size 12, 2.5mm²



10-40561-30AU

Pin contact size 12, 4.0mm²



10-40561-38AU

Pin contact size 12, 6.0mm²



10-40794-18AG

Pin contact size 8H, 1.5mm²



10-40794-22AG

Pin contact size 8H, 2.5mm²



10-40794-38AG

Pin contact size 8H, 6mm²



10-40794-50AG

Pin contact size 8H, 10mm²



10-660-4-10G10

Pin contact size 4, 10mm²



10-660-4-16G10

Pin contact size 4, 16mm²



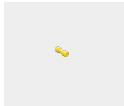
10-660-4-16G62

Pin contact size 4, 16mm²



10-660-4-6G10

Pin contact size 4, 6.0mm²

Filler plugs:

10-101033-131
Filler plug, size 12



10-101033-141
Filler plug, size 8H



10-101033-4
Filler plug, size 4

Protection cap:

PP28-AA
Metallic protection cap to bayonet plug (GB, GR & GS)



PP28-D
Plastic protection cap to bayonet plugs (GB, GR & GS)