Plug with bayonet coupling nut

Series GS

Item number: GS60-32-15SN-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 recomended. 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:	32
Contact type:	Socket
Coding options:	4
Number of contacts, size 0:	2
Number of contacts, size 12:	6
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. 8.0
Coupling-torque to open (Nm):	min. 3.6

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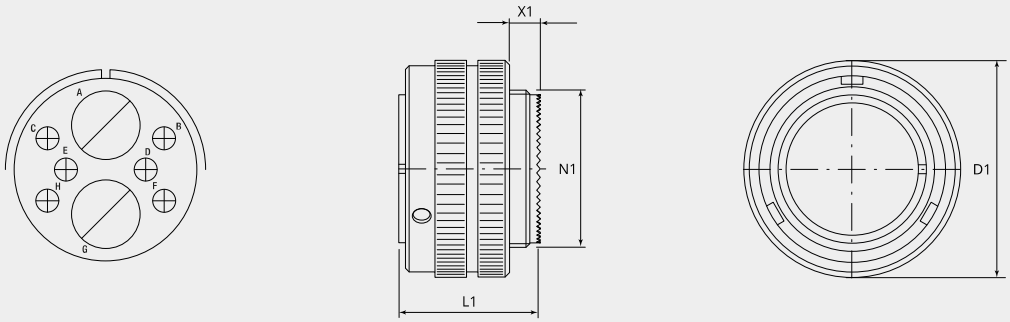
Thermal properties

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):	60.0
L1 (mm):	38.0
N1:	1 7/8"-16 UN 2A
X1 (mm):	10.5

Electrical properties

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

Electrical properties contacts

Size 0 - nominal current (A):	150
Size 0 - maximal current (A):	245
Size 0 - test current (A):	200
Size 0* - nominal current (A):	240
Size 0* - maximal current (A):	200
Size 0* - test current (A):	245
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:

GS11-32-15PN-EAA
Cable receptacle

GS321-32-15PN-EAA
Receptacle with flange

GS72-32-15PN-EAA
Jam nut receptacle

Backshell:

BEN32-AA
90° elbow backshell

BEN32-M6B-AA
90° elbow backshell with internal metric thread

BSE32-36-AA
Enlarger back shell

BSH32-AA
Backshell with groove for heatshrinkable shapes

BSL32-AA
Backshell straight, long

BSN32-AA
Backshell straight, standard

BSN32-M6B-AA
Backshell straight with internal metric thread

BSR32-18-AA
Reducer backshell

BST32-AA
Termination back shell typ R for grommet

ET-32-10-AA
EMI adapter with cone ring, for heatshrinkable shape

Cable termination:

10-350349K-323
Synthetic cable clamp

Contacts:

10-40560-11AU
Socket contact size 12, 0.5mm²

10-40560-15AU
Socket contact size 12, 0.75 - 1.0mm²

10-40560-18AU
Socket contact size 12, 1.5mm²

10-40560-22AU
Socket contact size 12, 2.5mm²

10-40560-30AU
Socket contact size 12, 4.0mm²

10-40560-38AU
Socket contact size 12, 6.0mm²

10-903-0-162G62
Socket contact size 0, 16mm²

10-903-0-252G76
Socket contact size 0, 25mm²

10-903-0-352G89
Socket contact size 0, 35mm²

10-903-0-502G10
Socket contact size 0, 50mm²

10-905-0-162G62
Socket contact size 0*, 16mm²

10-905-0-252G76
Socket contact size 0*, 25mm²

10-905-0-352G89
Socket contact size 0*, 35mm²

10-905-0-502G10
Socket contact size 0*, 50mm²

Filler plugs:

10-101033-0
Filler plug, size 0

10-101033-131
Filler plug, size 12

Protection cap:

PP32-AA
Metallic protection cap to bayonet plug (GB, GR & GS)

PP32-D
Plastic protection cap to bayonet plugs (GB, GR & GS)