



# Receptacle with threaded coupling, front panel mount

Series GT

Item number: GT210-20-24SN-EAC

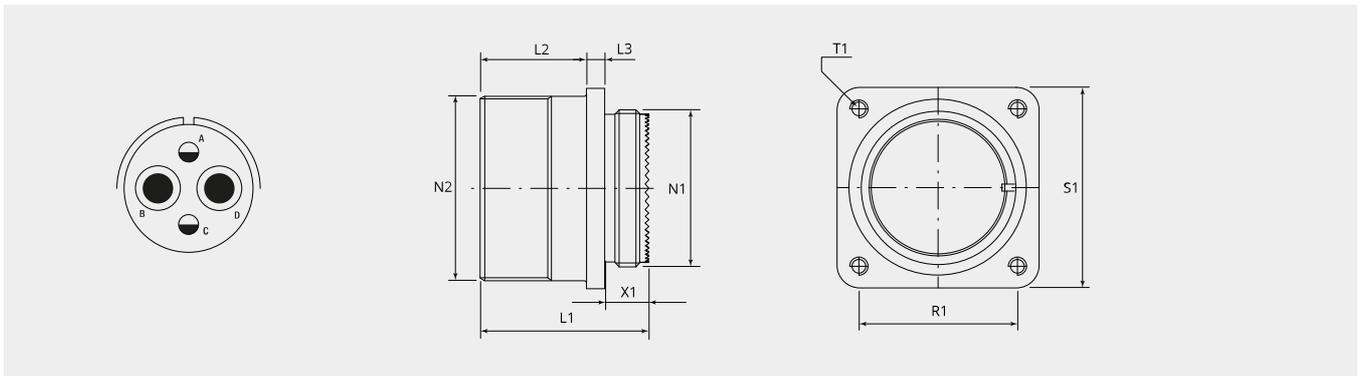
Packing unit: 1

## Mechanical properties

Size:	20
Contact type:	Socket
Coding options:	4
Number of contacts, size 16:	2
Number of contacts, size 8H:	2
Shell material:	Aluminum alloy
Surface treatment:	Epoxy-polyurethane
Type of surface:	varnished
Thickness of surface treatment:	13-16 $\mu$
Surface colour:	black
Corrosion resistance (h):	500
Operation temperature:	-55°C - +125°C
Temperature shock:	-55°C - +125°C
Conductivity (M $\Omega$ ):	non conductive
EMI:	No
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

<b>D1 (Ø):</b>	34.2
<b>L1 (mm):</b>	38.8
<b>L2 (mm):</b>	23.1
<b>L3 (mm):</b>	4.0
<b>N1:</b>	1 1/8"-18 UNEF 2A
<b>N2:</b>	1 1/4"-18 UNEF 2A
<b>T1 (mm):</b>	3.2
<b>X1 (mm):</b>	9.0
<b>S1 (mm):</b>	38.1
<b>R1 (mm):</b>	29.4

## Electrical properties

<b>Operating voltage DC (V):</b>	700
<b>Operating voltage AC (V):</b>	500
<b>Test voltage AC (V):</b>	2000
<b>Insulation resistance (Ω m):</b>	≥ 5000
<b>Insulation creepage distance (mm):</b>	≥ 3.2
<b>Voltage class:</b>	MIL-DTL-5015

## Electrical properties contacts

<b>Size 8H - nominal current (A):</b>	56
<b>Size 8H - maximal current (A):</b>	90
<b>Size 8H - test current (A):</b>	72
<b>Size 16 - nominal current [continuous] (A):</b>	13
<b>Size 16 - maximal current [short-term] (A):</b>	22
<b>Size 16 - test current (A):</b>	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:



#### **GT60-20-24PN-EAC**

Plug with threaded coupling nut

### Backshell:



#### **BEN20-AA**

90° elbow backshell



#### **BEN20-M4B-AA**

90° elbow backshell with internal metric thread



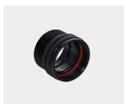
#### **BSH20-AA**

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:****10-40556-05AU**Socket contact size 16, 0.25 - 0.5mm<sup>2</sup>**10-40556-075AU**Socket contact size 16, 0.75mm<sup>2</sup>**10-40556-20-1AU**Socket contact size 16, 1.5mm<sup>2</sup>**10-40556AU**Socket contact size 16, 1.0mm<sup>2</sup>**10-40796-18AG**Socket contact size 8H, 1.5mm<sup>2</sup>**10-40796-22AG**Socket contact size 8H, 2.5mm<sup>2</sup>**10-40796-38AG**Socket contact size 8H, 6.0mm<sup>2</sup>**10-40796-50AG**Socket contact size 8H, 10mm<sup>2</sup>**Filler plugs:****10-101033-121**

Filler plug, size 16/16S

**10-101033-141**

Filler plug, size 8H

**Accessory:**



**10-40450-20**

Sealing gasket for receptacle, front panel mount



**10-40450-20S**

Sealing gasket for receptacle, front panel mount, conductive



**10-40451-20**

Sealing gasket for receptacle, rear panel mount



**10-40451-20S**

Sealing gasket for receptacle, rear panel mount, conductive