



# GTM12 Cableplug, straight, a-code

according EN 61076-2-101

Item number: GTM12-A-5-MP

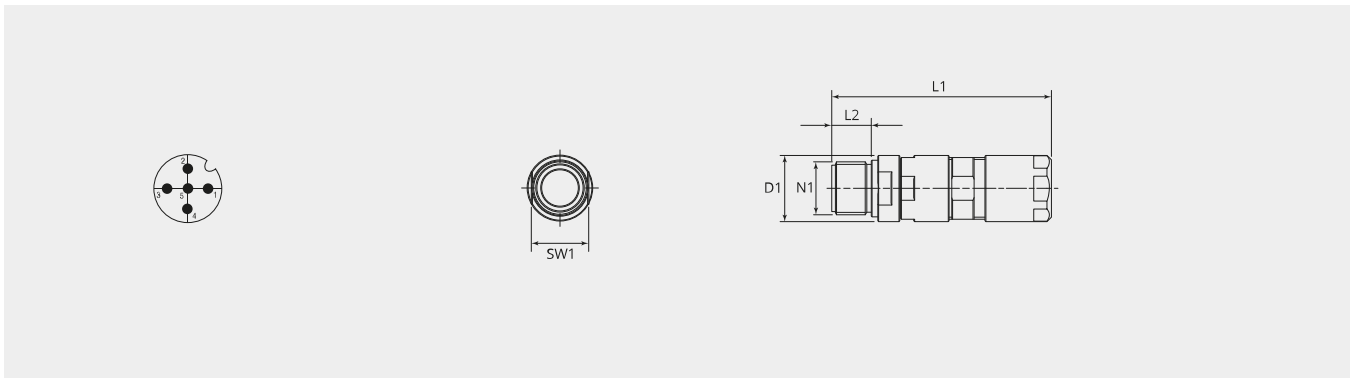
Net weight: 0.0321 kg

## Mechanical properties

<b>Design:</b>	Cable plug
<b>Version:</b>	Straight
<b>Coding:</b>	A
<b>Number of contacts:</b>	5
<b>Strand/wire adaptation:</b>	Crimp
<b>Contact type:</b>	Pin contact
<b>Wire section (mm<sup>2</sup>):</b>	0.34 - 0.75
<b>Wire section (AWG):</b>	22 - 18
<b>Contact Material:</b>	0.4μ AU over copper alloy
<b>Shell material:</b>	Brass
<b>Surface treatment:</b>	Electroless nickel
<b>Operation temperature:</b>	-55°C - +85°C
<b>EMI:</b>	Yes
<b>Cable diameter (mm):</b>	5.0 - 8.5
<b>Cable strain relief:</b>	Cable gland
<b>EMC shielding:</b>	EMI spring
<b>Number of mating cycles (min.):</b>	200
<b>ROHS compliant:</b>	compliant with exception 6c (copper alloy ≤ 4% lead)
<b>REACH compliant:</b>	SVHC substances, yes - Lead

## Thermal properties

<b>Material contact insert:</b>	Latamid 6H-V0
<b>Operating temperature:</b>	-55°C - +85°C
<b>Fire protection class DIN EN 45545-2:</b>	R23: HL1/HL2/HL3
<b>Fire protection class NFF16-101/102:</b>	I2/F2



## Dimensional drawing

<b>D1 (Ø):</b>	15.0
<b>D2 (Ø):</b>	15.0
<b>L1 (mm):</b>	50.0
<b>L2 (mm):</b>	9.9
<b>N1:</b>	M12x1
<b>SW1:</b>	13

## Electrical properties

<b>Insulation resistance (Ω):</b>	$\geq 10^8$
<b>Potential drop between contacts and housing (KV):</b>	1.0
<b>Potential drop across contacts (KV):</b>	1.0
<b>Pollution degree:</b>	3
<b>Rated surge voltage (KV):</b>	1.5
<b>Rated voltage (VDC):</b>	60
<b>Rated current (A):</b>	4

Please contact your Gimota partner for other M12 products

## Complementary products:

### Counterpart:

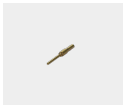
**GTM12-A-5-FS**

GTM12 Cable receptacle, straight, a-code

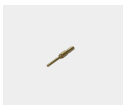
**GTM12-A-5-FS-100**

GTM12 Cable receptacle, elbow, a-code

### Contacts:

**GTM12PC18AU.100**

Pin contact - 100 pcs.

**GTM12PC18AU.20**

Pin contact - 20 pcs.

### Protection cap:

**GTM12-MP-CAP**

Protection cap GTM12

### Accessory:

**CIC35-12-16**

Mounting clip for GTM12 / GTB12

**Tools:**



**GIW-ACK**

Wire stripper GIW-ACK



**GIW-AFM8**

Mechanical hand press tool GIW-AFM8



**GIW-AFM8-SK2-2**

Universal positioning adaptor GIW-AFM8-SK2/2



**GIW-DM12**

Torque wrench 1Nm



**GIW-DM12-MS14**

Wrench SW13/14