

GTM12 Cableplug, straight, x-code

according EN 61076-2-109

Item number: GTM12-X-8-MP

Product weight (kg): 0.037 kg

Packing unit: 1



MECHANICAL PROPERTIES

Design: Cable plug

Version: Straight

Coding: X

Number of contacts: 8

Connection type: Crimp

Contact type: Pin contact

Number of mating cycles (min.): 200

Wire section [mm²]: 0.14 - 0.37

Wire section [AWG]: 26 - 22

Cable diameter [mm]: 6.0 - 8.5

Operation temperature [°C]: -55 - +85

Shell material: Brass / Zinc alloy

Surface: Electroless nickel

MECHANICAL PROPERTIES

RoHS-compliant:	Compliant with exception 6c (copper alloy $\leq$ 4% lead)
REACH-compliant:	SVHC substances, yes - Lead
Contact Material:	AU over copper alloy
EMI:	Yes
Cable strain relief:	Cable gland
EMC shielding:	EMI spring

THERMAL PROPERTIES

Material contact insert:	Latamid 6H-V0
Operating temperature insert [°C]:	-55 - +85

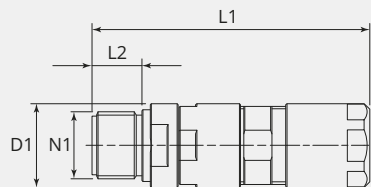
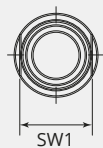
ELECTRICAL PROPERTIES

Insulation resistance (Ω):	$\geq 10^{10}$
Potential drop between contacts and housing [kV]:	0.5
Potential drop across contacts [kV]:	0.5
Data transfer speed:	10'000 Mbits/s - CAT6A
Pollution degree:	3
Test voltage DC [V]:	1.500000000
Rated DC voltage [V]:	48
Rated current [A]:	0.5

STANDARDS

Fire protection class EN 45545-2:	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Fire protection class NF F 16-101 / NF F 16-102:	I2/F2
Protection class EN 60529 (mounted):	IP67
RoHS-compliant:	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant:	SVHC substances, yes - Lead

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	15
D2 Ø [mm]:	15.0
L1 [mm]:	55.0



DIMENSIONS

L2 [mm]: 8.9

N1: M12x1

WS1: 13

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- Please contact your Gimota partner for other M12 products
 - Gimota M12 connectors are **supplied including contacts**.

M12 pin contacts, AWG 26 - 24, 20 pcs.

Item number: GTM12PC23AU.20

Packing unit: 1



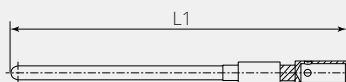
MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
Contact Material:	CU alloy
Coating:	Gold
Protective layer:	Gold plated, 0.4µm
Operating temperature [°C]:	-55 - +85
Type of manufacture:	Turned
Connection type:	Crimp
Wire section [mm²]:	0.14 - 0.37
Wire section [AWG]:	26 - 22

STANDARDS

RoHS-compliant:	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant:	SVHC substances, yes - Lead

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	1.4
d1 Ø [mm]:	0.65
L1 [mm]:	21.80
T1 [mm]:	3.00

M12 pin contacts, AWG 26 - 24, 100 pcs.

Item number: GTM12PC23AU.100
Product weight (kg): 0.0228 kg
Packing unit: 1



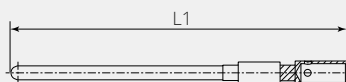
MECHANICAL PROPERTIES CONTACTS

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Protective layer:	Gold plated, 0.4µm
Operating temperature [°C]:	-55 - +85
Type of manufacture:	Turned
Connection type:	Crimp
Wire section [mm²]:	0.14 - 0.37
Wire section [AWG]:	26 - 22

STANDARDS

RoHS-compliant:	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant:	SVHC substances, yes - Lead

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	1.4
d1 Ø [mm]:	0.65
L1 [mm]:	21.80
T1 [mm]:	3.00