

GTM12 Cable receptacle, straight, a-code

according EN 61076-2-101

Item number: GTM12-A-5-FS

Product weight (kg): 0.0323 kg

Packing unit: 1



MECHANICAL PROPERTIES

Design:	Cable receptacle
Version:	Straight
Coding:	A
Number of contacts:	5
Connection type:	Crimp
Contact type:	Socket contact
Number of mating cycles (min.):	200
Wire section [mm²]:	0.34 - 0.75
Wire section [AWG]:	22 - 18
Cable diameter [mm]:	5.0 - 8.5
Operation temperature [°C]:	-55 - +85
Shell material:	Brass
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

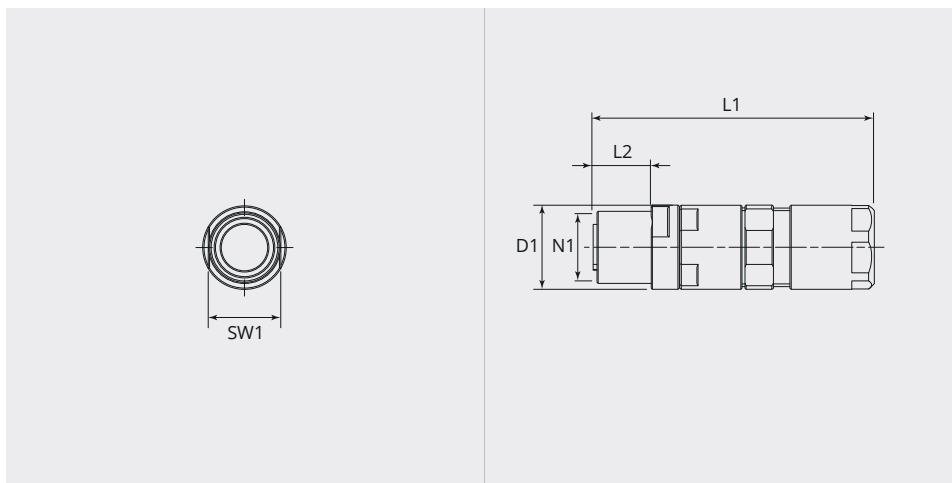
ELECTRICAL PROPERTIES

Insulation resistance (Ω):	$\geq 10^{10}$
Potential drop between contacts and housing [kV]:	0.84
Potential drop across contacts [kV]:	0.84
Pollution degree:	3
Test voltage DC [V]:	1.500000000
Rated DC voltage [V]:	63
Rated current [A]:	4

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]:	50.0



DIMENSIONS

L2 [mm]:	10.3
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 socket contacts, AWG 22 - 18, 20 pcs.

Item number: GTM12SC18AU.20

Product weight (kg): 0.002 kg

Packing unit: 1



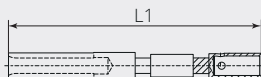
MECHANICAL PROPERTIES CONTACTS

Contact type:	Socket
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]:	0.34 - 0.75
Wire section [AWG]:	22 - 18

STANDARDS

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

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	1.7
d1 Ø [mm]:	1.35
L1 [mm]:	18.20
T1 [mm]:	3.30

M12 socket contacts, AWG 22 - 18, 100 pcs.

Item number: GTM12SC18AU.100
Product weight (kg): 0.01 kg
Packing unit: 1



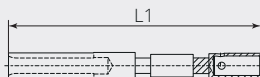
MECHANICAL PROPERTIES CONTACTS

Contact type:	Socket
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]:	0.34 - 0.75
Wire section [AWG]:	22 - 18

STANDARDS

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

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	1.7
d1 Ø [mm]:	1.35
L1 [mm]:	18.20
T1 [mm]:	3.30