

# GTM12 Cable receptacle, elbow, d-code

according EN 61076-2-101

Item number: GTM12-D-4-FS-100  
Product weight (kg): 0.0369 kg  
Packing unit: 1



## MECHANICAL PROPERTIES

|                                 |                    |
|---------------------------------|--------------------|
| Design:                         | Cable receptacle   |
| Version:                        | Angled             |
| Coding:                         | D                  |
| Number of contacts:             | 4                  |
| Connection type:                | Crimp              |
| Contact type:                   | Socket contact     |
| Number of mating cycles (min.): | 200                |
| Wire section [mm²]:             | 0.34 - 0.5         |
| Wire section [AWG]:             | 22 - 20            |
| 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     |

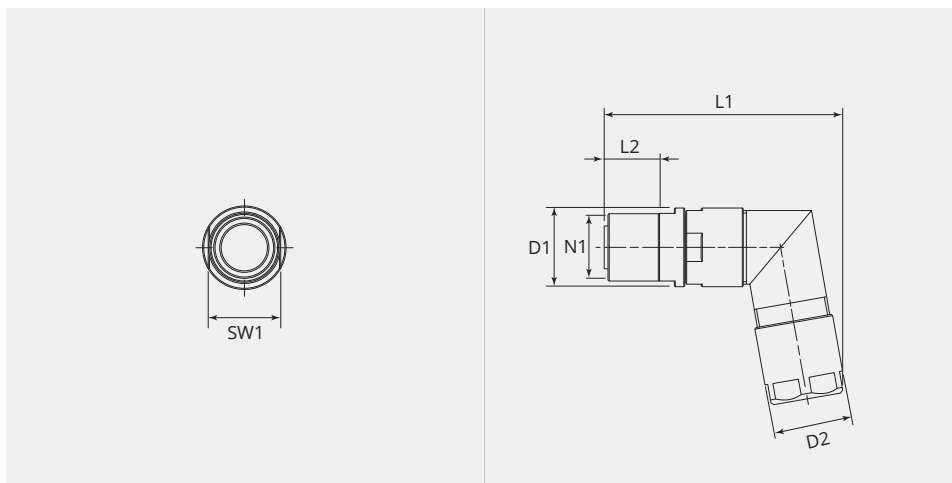
## ELECTRICAL PROPERTIES

|                                                   |                        |
|---------------------------------------------------|------------------------|
| Insulation resistance ( $\Omega$ ):               | $\geq 10^{10}$         |
| Potential drop between contacts and housing [kV]: | 1.4                    |
| Potential drop across contacts [kV]:              | 0.84                   |
| Data transfer speed:                              | 10/100 Mbits/s - Cat5e |
| Pollution degree:                                 | 3                      |
| Test voltage DC [V]:                              | 2.500000000            |
| Rated DC voltage [V]:                             | 63                     |
| Rated current [A]:                                | 4                      |

## STANDARDS

|                                                  |                                                            |
|--------------------------------------------------|------------------------------------------------------------|
| Fire protection class EN 45545-2:                | R22/HL1,HL2<br>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]:   | 46.0 |



## 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 - 20, 100 pcs.

Item number: GTM12SC20AU.100

Packing unit: 1



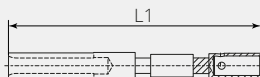
## MECHANICAL PROPERTIES CONTACTS

|                             |                    |
|-----------------------------|--------------------|
| 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 - 0.5         |
| Wire section [AWG]:         | 22 - 20            |

## STANDARDS

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

## DIMENSIONS



## DIMENSIONS

|            |       |
|------------|-------|
| D1 Ø [mm]: | 1.65  |
| d1 Ø [mm]: | 1.10  |
| L1 [mm]:   | 17.00 |
| T1 [mm]:   | 3.80  |

# M12 socket contacts, AWG 22 - 20, 20 pcs.

Item number: GTM12SC20AU.20  
Product weight (kg): 0.0002 kg  
Packing unit: 1



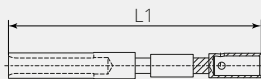
## MECHANICAL PROPERTIES CONTACTS

|                             |                    |
|-----------------------------|--------------------|
| 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 - 0.5         |
| Wire section [AWG]:         | 22 - 20            |

## STANDARDS

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

## DIMENSIONS



## DIMENSIONS

|            |       |
|------------|-------|
| D1 Ø [mm]: | 1.65  |
| d1 Ø [mm]: | 1.10  |
| L1 [mm]:   | 17.00 |
| T1 [mm]:   | 3.80  |