

# M12 round connector acc. to IEC 61076-2-104:2008

## General specifications

|                 |          |
|-----------------|----------|
| Form            | M12      |
| Connection      | male     |
| Connection type | straight |
| Number of pins  | 4        |

## Mechanical specifications

|                   |                              |
|-------------------|------------------------------|
| Contact elements  | spring-loaded contact socket |
| Pin diameter      | 1 mm                         |
| Contact materials | CuSn / Au                    |
| Contact surface   | Au                           |
| Body              | TPU, black                   |
| Sleeve connector  | Diecast zinc                 |

## Cable

|                        |                        |
|------------------------|------------------------|
| Sheath material        | PVC                    |
| Sheath color           | grey                   |
| Sheath diameter        | Ø 4,3 mm               |
| Length                 | 3 m ± 50mm             |
| Core isolation         | PVC                    |
| Number of cores        | 4-core                 |
| Conductor construction | 19 x Ø 0,15mm          |
| Cross-section          | 4x0,34 mm <sup>2</sup> |

## Elektrical specifications

|                   |             |
|-------------------|-------------|
| Operating voltage | max. 60V DC |
| Operating current | max. 4A     |

## General properties

|                                            |                 |
|--------------------------------------------|-----------------|
| Ambient temperature                        | -5 ... +70°C    |
| IP protection degree acc. to EN 60529:2000 | IP67/IP68/IP69K |

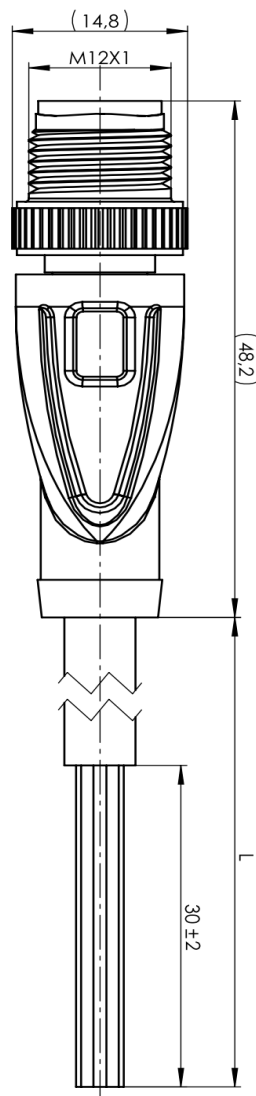
## Packaging

|                |
|----------------|
| Single package |
|----------------|

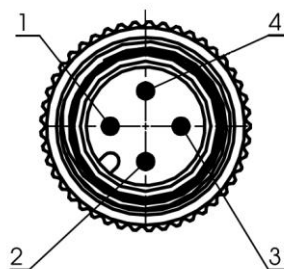
## Color of cores

- 1-brown
- 2-white
- 3-blue
- 4-black

## Projected view



## Positions of contacts



|                       |                            |                      |            |                                                                                                                  |                                                                |                                                                                            |                 |                                         |                         |
|-----------------------|----------------------------|----------------------|------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------|-----------------------------------------|-------------------------|
|                       |                            |                      |            | Zulässige Abweichung für Maße ohne Toleranzangabe<br>Unless otherwise specified tolerances<br><br>DIN ISO 2768-v | Format/Size: A4                                                | Maßstab/Scale:                                                                             | Gewicht/Weight: |                                         |                         |
|                       |                            |                      |            |                                                                                                                  | Schutzvermerk beachten<br>Observe protection note<br>ISO 16016 | Werkstoff:<br>Material:                                                                    |                 |                                         |                         |
|                       |                            |                      |            |                                                                                                                  |                                                                | Benennung:<br>Title:<br><br><div>Round connector M12 male<br/>straight 5/4 PVC 3,00m</div> |                 |                                         |                         |
|                       |                            |                      |            |                                                                                                                  |                                                                |                                                                                            |                 |                                         |                         |
| Ind Rev               | Änderung-Nr.<br>Change no. | Datum<br>Date        | Name<br>By |                               | Ident. - Nr.:<br><div>617-202-0139</div>                       |                                                                                            |                 | Freigabe-Nr.:<br>Approval no.:<br>26886 | Blatt:<br>Sheet:<br>1/1 |
| Geprüft:<br>Checked:  |                            | 01.08.2016<br>PAL    |            |                                                                                                                  | Ersatz für/Replacement for:                                    |                                                                                            |                 |                                         |                         |
| Erstellt:<br>Created: |                            | 01.08.2016<br>MANGRA |            |                                                                                                                  |                                                                |                                                                                            |                 |                                         |                         |
|                       |                            |                      |            |                                                                                                                  |                                                                |                                                                                            |                 |                                         |                         |