

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

## General specifications

|                 |        |
|-----------------|--------|
| Form            | M12    |
| Connection      | male   |
| Connection type | angled |
| Number of pins  | 5      |

## 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 4,8 mm               |
| Length                 | 5 m ± 50mm             |
| Core isolation         | PVC                    |
| Number of cores        | 5-core                 |
| Conductor construction | 19 x Ø 0,15mm          |
| Cross-section          | 5x0,34 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 |

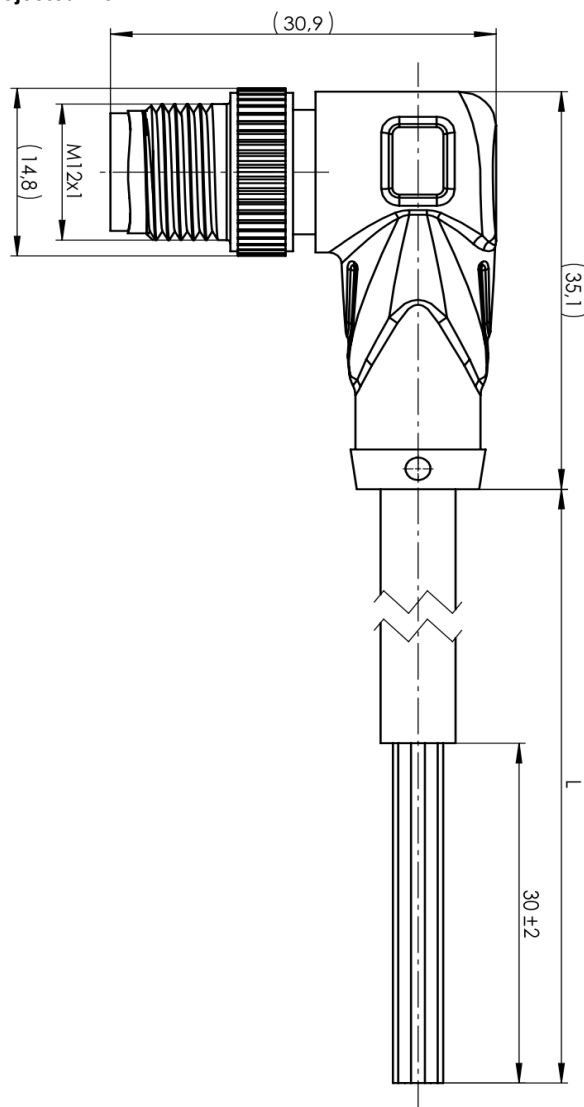
## Packaging

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

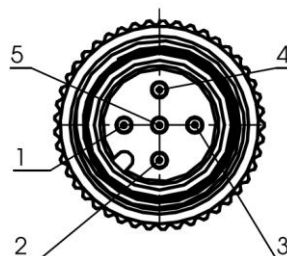
## Color of cores

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

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/>angled 5/5 PVC 5,00m</div> |                 |                                      |                      |
|                                            |                            |               |            |                                                                                                                  |                                                                |                                                                                          |                 |                                      |                      |
| Ind Rev                                    | Änderung-Nr.<br>Change no. | Datum<br>Date | Name<br>By |                               | Ident. - Nr.:<br><div>617-202-0158</div>                       |                                                                                          |                 | Freigabe-Nr.:<br>Approval no.: 26886 | Blatt:<br>Sheet: 1/1 |
| Geprüft:<br>Checked: 01.08.2016<br>PAL     |                            |               |            |                                                                                                                  | Ersatz für/Replacement for:                                    |                                                                                          |                 |                                      |                      |
| Erstellt:<br>Created: 01.08.2016<br>MANGRA |                            |               |            |                                                                                                                  |                                                                |                                                                                          |                 |                                      |                      |
|                                            |                            |               |            |                                                                                                                  |                                                                |                                                                                          |                 |                                      |                      |