

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

General specifications

|                 |          |
|-----------------|----------|
| Form            | M12      |
| Connection      | female   |
| Connection type | straight |
| Number of pins  | 8        |

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           | black         |
| Sheath diameter        | Ø 6 mm        |
| Lenght                 | 3 m ± 50mm    |
| Core isolation         | PVC           |
| Number of cores        | 8-core        |
| Conductor construction | 19 x Ø 0,15mm |
| Cross-section          | 8x0,34 mm²    |

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 |

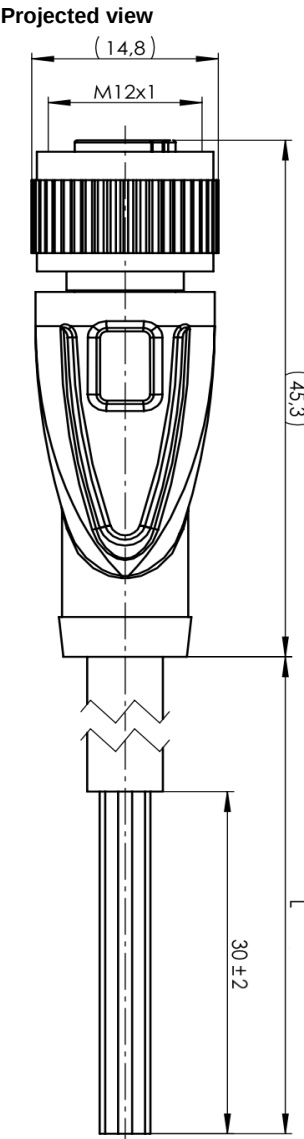
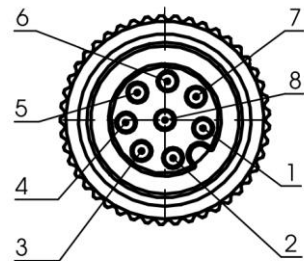
Packaging

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

Color of cores

|          |
|----------|
| 1-white  |
| 2-brown  |
| 3-green  |
| 4-yellow |
| 5-grey   |
| 6-pink   |
| 7-blue   |
| 8-red    |

Positions of contacts



|                       |                            |               |            |                                                                                                              |                               |                                                      |                      |
|-----------------------|----------------------------|---------------|------------|--------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------|----------------------|
|                       |                            |               |            | Zulässige Abweichung für Maße ohne Toleranzangabe<br>Unless otherwise specified tolerances<br>DIN ISO 2768-v | Format/Size: A4               | Maßstab/Scale:                                       | Gewicht/Weight:      |
|                       |                            |               |            | Schutzvermerk beachten<br>Observe protection note<br>ISO 16016                                               | Werkstoff:<br>Material:       | Round connector M12 female<br>straight 8/8 PVC 3,00m |                      |
| Ind<br>Rev            | Änderung-Nr.<br>Change no. | Datum<br>Date | Name<br>By |                                                                                                              | Benennung:<br>Title:          |                                                      |                      |
| Geprüft:<br>Checked:  | 07.09.2016<br>PAL          |               |            |                                                                                                              | Ident. - Nr.:<br>617-202-0175 | Freigabe-Nr.:<br>Approval no.: 27182                 | Blatt:<br>Sheet: 1/1 |
| Erstellt:<br>Created: | 07.09.2016<br>MANGRA       |               |            |                                                                                                              | Ersatz für/Replacement for:   |                                                      |                      |