

|                           |                           |                                                                                     |
|---------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 21700648                  | <b>DATA SHEET</b>         |  |
| Valid from:<br>20.09.2023 | <b>ED-IE-AX-M12D-5-67</b> |                                                                                     |

## Product description

straight plug, field mountable, M12 D-coded, 4 pins, colour coding acc. to TIA 568, Cat.5, shielded



## General characteristics

|                                              |                   |
|----------------------------------------------|-------------------|
| Ambient temperature                          | -25 to +85 °C     |
| Protection degree                            | IP 67             |
| Termination type                             | IDC               |
| Outer diameter, cable                        | 5.0 – 6.1 mm      |
| Outer diameter, wire                         | 0.85 – 1.6 mm     |
| Termination cross section, stranded, 7 wires | AWG26/7 – AWG22/7 |
| Termination cross section, solid             | AWG26/1 – AWG22/1 |
| Pollution degree                             | 2                 |
| Overvoltage category                         | III               |
| Shielding                                    | shielded          |

## Mechanical properties

|                 |        |
|-----------------|--------|
| Insertion force | ≤ 30 N |
| Mating cycles   | ≥ 100  |

## Electrical properties

|                                   |          |
|-----------------------------------|----------|
| Rated voltage                     | 60 V DC  |
| Current carrying capacity at 40°C | 1 A      |
| Contact resistance                | ≤ 20 mΩ  |
| Insulation resistance             | ≥ 100 MΩ |

## Transmission characteristics

|                                                     |               |
|-----------------------------------------------------|---------------|
| Suitable for 100 Mbit Ethernet acc. to IEEE 802.3an | yes           |
| Category 5                                          | ISO/IEC 11801 |

## Materials

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| Connector housing, base material | die-cast zinc                              |
| Contacts, surface                | Ni + Au                                    |
| Contact holder and stuffer cap   | PA UL94-V0 HL3 R22 according to EN 45545-2 |

## Standards

|                     |                                          |
|---------------------|------------------------------------------|
| Product standard    | DIN EN 61076-2-109                       |
| Vibration and Shock | DIN EN 61373:2011-04 Class 1, Category B |
| Salt-Spray          | DIN EN 60068-2-11 02/48H                 |

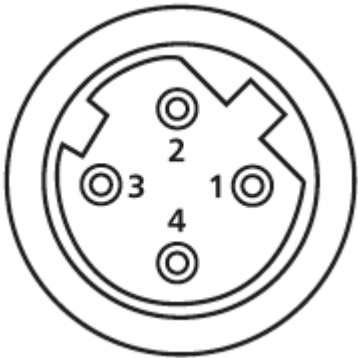
## Approvals

|                   |              |
|-------------------|--------------|
| UL listed, E-File | DUXR.E353543 |
|-------------------|--------------|

|                                           |                                       |             |
|-------------------------------------------|---------------------------------------|-------------|
| Creator: STKU3/PDP<br>Released: IVSE1/PDP | Document: DB21700648EN<br>Version: 09 | Page 1 of 2 |
|-------------------------------------------|---------------------------------------|-------------|

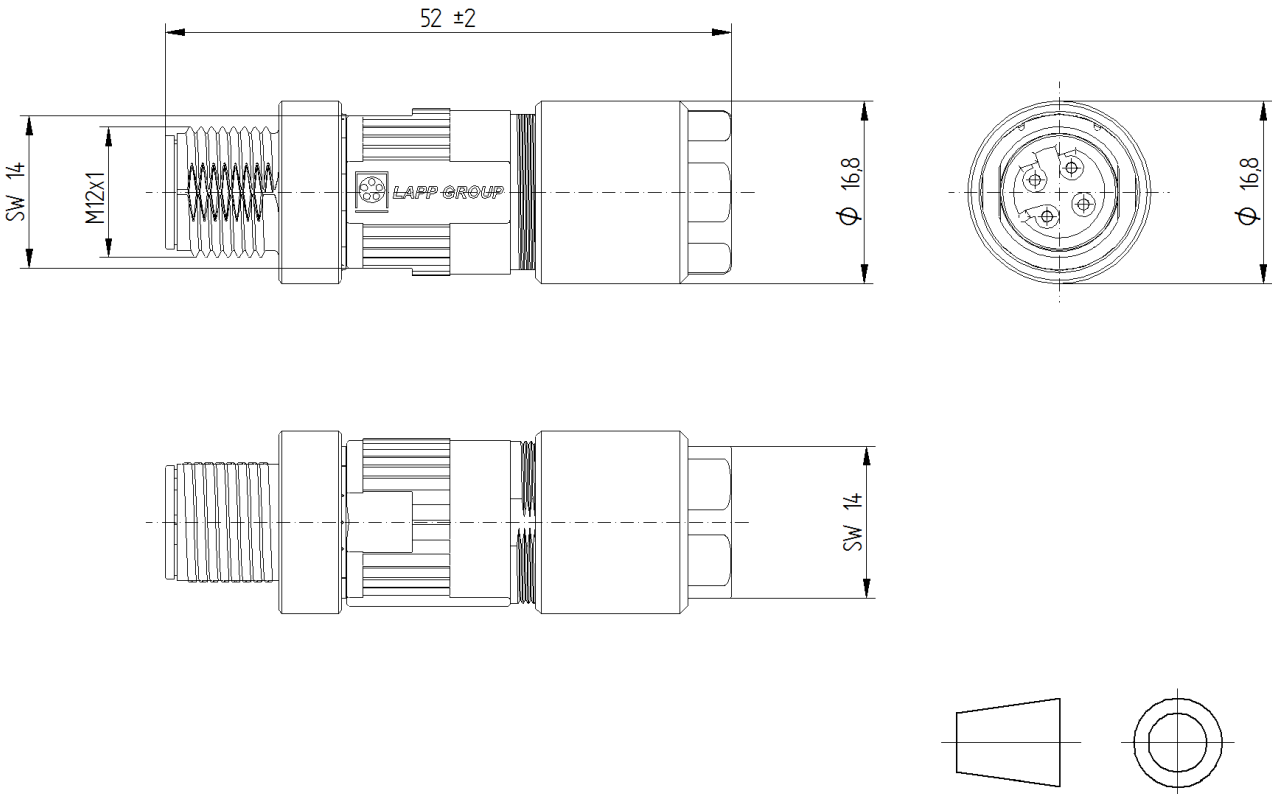
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Pin assignment



| Pin-No. | Color coding |
|---------|--------------|
| 1       | WH / OG      |
| 2       | WH / GN      |
| 3       | OG           |
| 4       | GN           |

Drawings



Note

Photographs are not true to scale and do not represent detailed images of the respective products.