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|---------------------------|--------------------------------|---|
| 22260514 | DATA SHEET |  |
| Valid from: 12.09.2019 | AB-C3-M12Y-(L*)PUR-M8FS | |

Product description

Sensor/actuator cable, 3-pos., PUR black, straight
Y-plug M12 on 2x straight socket M8.



Product variations

| Article number | Article description | Length (L*) [m] |
|----------------|------------------------|-----------------|
| 22260514 | AB-C3-M12Y-0,3PUR-M8FS | 0,3 |
| 22260515 | AB-C3-M12Y-0,6PUR-M8FS | 0,6 |
| 22260516 | AB-C3-M12Y-1,0PUR-M8FS | 1,0 |
| 22260517 | AB-C3-M12Y-2,0PUR-M8FS | 2,0 |

This datasheet is also valid for other length configurations. Other lengths upon request.

M8 connector


General properties

| | |
|-----------------------|------------------|
| Coding | A |
| Protection degree | IP65/IP67/IP68 |
| Number of contacts | 3 |
| Ambient temperature | -25 °C to +90 °C |
| Rated voltage | 60 V |
| Rated current | 4 A |
| Insulation resistance | ≥ 100 MΩ |
| Contact resistance | ≤ 5 mΩ |
| Overvoltage category | II |
| Pollution degree | 3 |
| Tightening torque | 0.2 Nm |
| Mating cycles | 100 |

Materials

| | |
|--|------------------------------|
| Contact carrier | TPU GF |
| Contact carrier, inflammability class in accordance with UL 94 | HB |
| Material, contacts | CuSn |
| Contact surface | Ni/Au |
| Material, grip body | TPU |
| Material, knurl | zinc die-cast, nickel-plated |
| Material, sealing | NBR |

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M12Y connector

General properties

| | |
|-----------------------|------------------|
| Coding | A |
| Protection degree | IP65/IP67/IP68 |
| Number of contacts | 3 |
| Ambient temperature | -25 °C to +90 °C |
| Rated voltage | 60 V |
| Rated current | 4 A |
| Insulation resistance | ≥ 100 MΩ |
| Volume resistance | ≤ 5 mΩ |
| Overvoltage category | II |
| Pollution degree | 3 |
| Tightening torque | 0.4 Nm |
| Mating cycles | 100 |


Materials

| | |
|--|------------------------------|
| Contact carrier | TPU GF |
| Contact carrier, inflammability class in accordance with UL 94 | HB |
| Material, contacts | CuSn |
| Contact surface | Ni/Au |
| Material, grip body | TPU |
| Material, knurl | zinc die-cast, nickel-plated |
| Material, sealing | NBR |

Cable

| | |
|--|--|
| Signal line, construction | 32 x 0.10 mm |
| Signal line, AWG | 24 |
| Conductor, material | stranded of bare copper wire |
| Conductor, cross-section | 0.25 mm ² |
| Number of cores | 3 |
| Core identification code | brown (1), blue (2), black (4) |
| Outer diameter, core insulation | 1.17 mm |
| Core insulation, material | PP |
| Outer sheath | PUR |
| Outer sheath, color | black similar to RAL 9005 |
| Outer diameter, cable | 4.4 mm |
| Ambient temperature, fixed installation | -40 °C to +80 °C |
| Ambient temperature, flexing | -25 °C to +80 °C |
| Minimum bending radius, fixed installation | 5 x cable diameter |
| Minimum bending radius, flexing | 10 x cable diameter |
| Travel length | 10 m |
| Travel speed | 3 m/s |
| Acceleration | 10 m/s ² |
| Number of bending cycles | 4.000.000 |
| Nominal voltage | ≤ 300 V |
| Test voltage | ≥ 3000 V |
| Flame retardance | flame retardant acc. to UL-Style 20549 |
| Halogen free | halogen free acc. to DIN VDE 0472 Part 815 |
| Oil resistance | oil resistant acc. to DIN EN 60811-2-1 |

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Other resistances

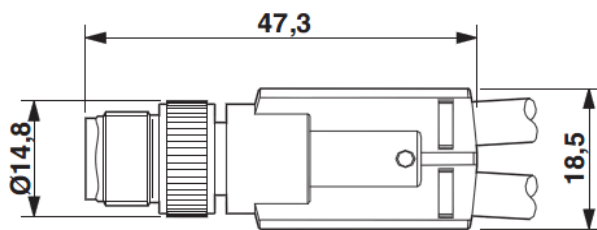
resistant to hydrolysis and microbes
 good resistant to acids, lyes and solvents
 resistant to sea water
 limited UV resistance acc. to DIN EN ISO 4892-2-A

Standards/Approvals

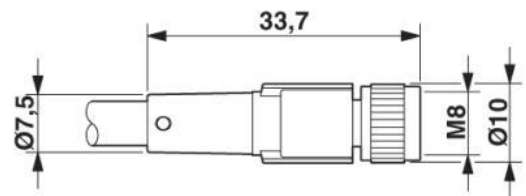
| | |
|---------------------------------|-----------------|
| Product standard, M8 connector | IEC 61076-2-104 |
| Product standard, M12 connector | IEC 61076-2-101 |
| UL-listed, E-File | E249137 |

Drawings

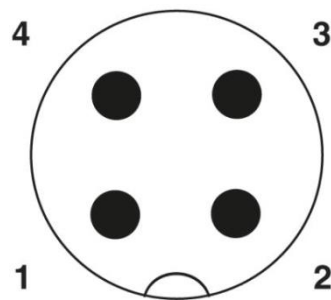
Dimensioned drawing, M12 connector



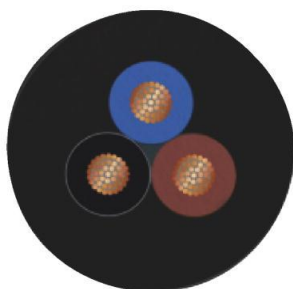
Dimensioned drawing, M8 connector



Pin assignment

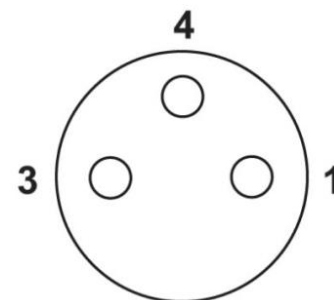


Cable

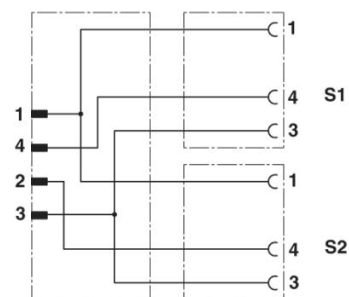


Core identification code: brown (1), blue (2), black (4)

Pin assignment



Wiring diagram



Application range

Automation, industrial machinery and plant engineering

Note

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

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