

M12

1210 0800 ... 3...

Actuator/Sensor Cordsets M12



Actuator/sensor cordset with overmolded connectors

Cable end 1:

M12 male, straight, A-coded, IP67

Cable end 2:

M8 female, straight, A-coded, IP67

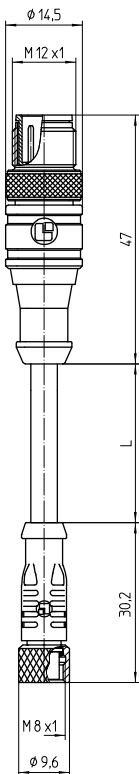
Cable:

PUR, black

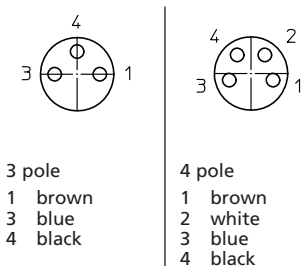
Approvals:



M12 1210 0800 ... 3...



Pin assignments for female M8 connectors, A-coded, front view



Environmental conditions

Temperature range -25 °C/+80 °C

Materials

| | |
|--------------------|----------------------------------|
| Insulating body | TPU GF, HB according to UL94 |
| Contact bush | CuZn, pre-nickel and gold-plated |
| Contact pin | CuZn, pre-nickel and gold-plated |
| Overmolding/handle | TPU ¹ |
| Knurled screw | CuZn, nickel-plated |
| Knurled nut | CuZn, nickel-plated |
| Seal | FKM |

¹ material halogen-free

Mechanical data

Mating cycles ≥ 100
Protection class IP67¹

¹ according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart

Connected cable

Construction PUR, black

Electrical data (at T_{amb} 20 °C)

| | |
|-----------------------|-------------------------------------------|
| Contact resistance | ≤ 10 m Ω |
| Rated current | 4 A (T _{amb} 40 °C) |
| Rated voltage | 50 V AC/60 V DC (with pollution degree 3) |
| Material group | I (IEC)/0 (UL) (CTI = 600) |
| Insulation resistance | > 100 M Ω |

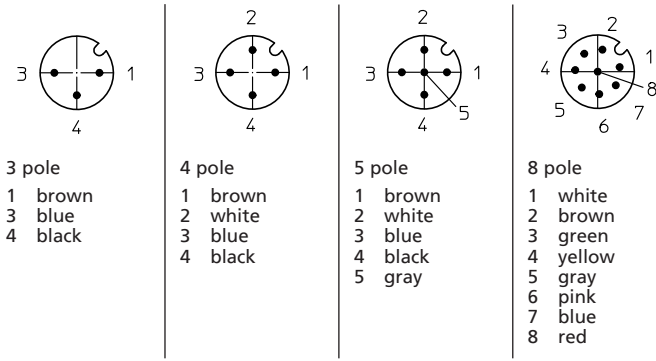
Associated products

Counterparts


| | | |
|--------------------------------------|--------------------------------------|-----------------------------------------|
| ☞ 0810 ... 0... | ☞ 0810 ... 3... | ☞ 0810 0800 ... 0... |
| ☞ 0810 0800 ... 3... | ☞ 0810 0805 ... 3... | ☞ 0810 0806 ... L1 3... |
| ☞ 0830 ... T8CW ... | ☞ 0831 ... T10CP | ☞ 1200 ... 0... |
| ☞ 1205 ... 0... | ☞ 1205 ... 3... | ☞ 1206 ... L1 0... |
| ☞ 1206 ... L1 3... | ☞ 1206 ... L2 0... | ☞ 1206 ... L2 3... |
| ☞ 1210 1200 ... 0... | ☞ 1220 ... T16CW ... | ☞ 1221 ... T9CP |
| ☞ 5500 04DL1 3... | ☞ 5500 04L1 3... | ☞ 5500 08DL1 3... |
| ☞ 5500 08L1 3... | ☞ 5512 04DL1 | ☞ 5512 04L1 |
| ☞ 5512 08L1 | ☞ 6157 8055 S01 4W | ☞ 6157 8055 S03 8W |
| ☞ 6157 8055 S06 16W | ☞ 6157 8055 S09 24W | |


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Pin assignments for male M12 connectors, A-coded, front view



Accessories

 9908 CPFO

 9912 CPM0

M12

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| Designation | Pole Number | Connected Cable | PU (Pieces) | MDQ (Pieces) | Dimensions L (mm) |
|-----------------------|-------------|-----------------------------------------------------------------------------|-------------|--------------|----------------------|
| 1210 0800 03 300 0,6m | 3 | PUR, black, 3 x 0.34 mm ² (AWG 22), 910300, UL-style 20549 | 5 | 10 | 600 |

Packaging:
in a plastic bag