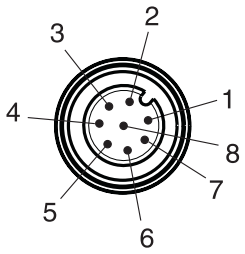
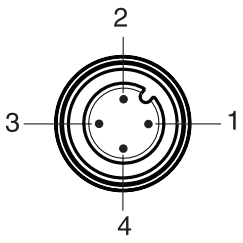
## Adapter M12 8p-M12 4p M12 8p

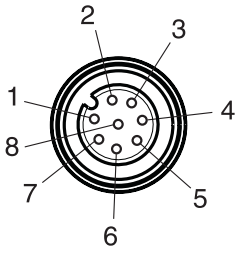
### Connector pin assignment




Plan view of plug-in connector X1




Plan view of plug-in connector X2



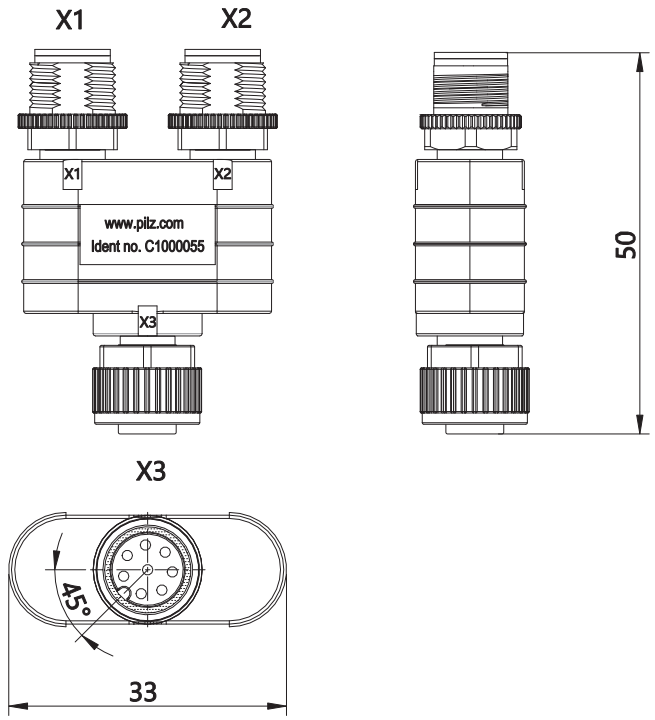

Plan view of plug-in connector X3

Contact assignment

| X1 | | X3 | | X2 |
|---|---|---|---|---|
| 1 | ——— | 1 | | |
| 2 | NC | 2 | ——— | 1 |
| 3 | ——— | 3 | | |
| 4 | ——— | 4 | | |
| 5 | ——— | 5 | | |
| 6 | ——— | 6 | | |
| 7 | ——— | 7 | ——— | 3 |
| 8 | ——— | 8 | | |

# Adapter M12 8p-M12 4p M12 8p

### Dimensions in mm




### Technical details

| | |
|---|---|
| **General** | |
| Certifications | **CE, UKCA** |
| **Electrical data** | |
| Rated voltage | |
| Voltage UB | **30 V** |
| Rated current | **2 A** |
| Insulation resistance | **100 MOhm** |
| Volume resistance | **5 mOhm** |
| **Environmental data** | |
| Ambient temperature | |
| Temperature range | **-25 - 85 °C** |
| Airgap creepage | |
| Pollution degree | **3** |

## Adapter M12 8p-M12 4p M12 8p

| | |
|---|---|
| **Environmental data** | |
| Protection type | |
| X1 when inserted | **IP67 when screwed in place** |
| X2 when inserted | **IP67 when screwed in place** |
| X3 when inserted | **IP67 when screwed in place** |
| **Mechanical data** | |
| Plug connector X1 | **M12, 8-pin male connector** |
| in accordance with the standard | **IEC 61076-2-101** |
| Form, plug-in connector X1 | **Straight** |
| Coding of plug-in connector X1 | **A-coded** |
| Housing colour of plug-in connector X1 | **Black** |
| Plug connector X2 | **M12, 4-pin male connector** |
| in accordance with the standard | **IEC 61076-2-101** |
| Form, plug-in connector X2 | **Straight** |
| Coding of plug-in connector X2 | **A-coded** |
| Housing colour of plug-in connector X2 | **Black** |
| Plug-in connector X3 | **M12, 8-pin female connector** |
| in accordance with the standard | **IEC 61076-2-101** |
| Design of plug-in connector X3 | **Straight** |
| Coding of plug-in connector X3 | **A-coded** |
| Housing colour of plug-in connector X3 | **Yellow** |
| Material of ring nut X1 | **Zinc with gold coating** |
| Material of ring nut X2 | **Zinc with gold coating** |
| Material of ring nut X3 | **Zn nickel-plated** |
| Housing material X1 | **TPU** |
| Housing material X2 | **TPU** |
| Housing material X3 | **TPU** |
| Material of contact surface X1 | **CuZn gold-plated** |
| Material of contact surface X2 | **CuZn gold-plated** |
| Material of contact surface X3 | **CuZn gold-plated** |
| Material of gasket | **FKM** |
| Material of pin | **CuZn gold-plated** |
| Material of socket | **CuZn gold-plated** |
| Mating cycles X1 | **500** |
| Mating cycles X2 | **500** |
| Mating cycles X3 | **500** |
| Colour of housing | **Yellow** |
| Halogen-free | **No** |
| Silicone-free | **No** |
| Non-flammability | **FT2** |

## Adapter M12 8p-M12 4p M12 8p

| Mechanical data | |
|---|---|
| Material | |
| Housing | **TPU** |
| Torque of the interlock screw | **0.4 ... 0.8 Nm** |
| Weight | **28 g** |

### Order reference

| Product type | Features | Item no. |
|---|---|---|
| Adapter/GB/ M12-8SMX/ M12-8SFX/ M12-5SMX/XX | Adapter for feeding an additional voltage supply for series connection with PITgatebox IOLS, accessories for series connection with serial diagnostics (SDD), 8-pin M12 male connector, straight, A-coded and 4-pin M12 male connector, straight, A-coded to 8-pin M12 female connector, straight, A-coded | C1000055 |