

# M8 Sensor Connector

## A-Coded, Field-wireable

**multicomp** PRO

Field-wireable connector M8, A-coding, Female, Straight

**RoHS  
Compliant**



### Features

- M8, Female, Straight
- Metal coupling nut
- Plastic housing
- Protection class: IP67
- Screw terminal
- 4-Pin
- Cable feedthrough 3.5mm to 5mm

### Technical Data

#### Connector

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Connector A                         | : Female, M8 × 1, Straight, A-coded |
| Number of Pins                      | : 4                                 |
| Contacts                            | : Brass, Gold-plated                |
| Contact Carriers                    | : PBT                               |
| Coupling Nut/screw                  | : Brass, Nickel-plated              |
| Connector body                      | : PA                                |
| External diameter of the cable      | : 3.5mm to 5mm                      |
| Core cross-section/Clamping ability | : 0.14 to 0.5mm <sup>2</sup>        |
| Connection mode                     | : Screw connection                  |
| Mechanical lifespan                 | : >100 Mating cycles                |
| Pollution degree                    | : 3                                 |
| Protection Class                    | : IP67, (screwed together)          |
| Locking mode                        | : Screw                             |
| Standard                            | : IEC 61076-2                       |

#### Electrical properties at +20 °C

|                       |                      |
|-----------------------|----------------------|
| Rated Voltage         | : 60V                |
| Current               | : 4A                 |
| Insulation resistance | : ≥10 <sup>9</sup> Ω |
| Forward resistance    | : ≤ 3mΩ              |

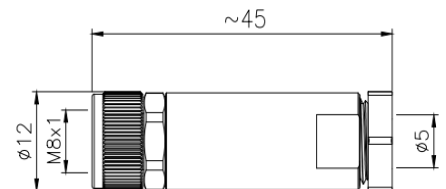
#### Mechanical and chemical properties

|  |                 |
|--|-----------------|
| Ambient temperature range (stationary) | : -25°C to 85°C |
|--|-----------------|

### Contact assignment



### Diagram



Dimensions : Millimetres

### Part Number Table

| Description                                  | Part Number |
|--|-------------|
| M12 Sensor Female Connector, A-Coded, 4 Pins | MP011282    |

**Important Notice** : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro  
Farnell.com/multicomp-pro  
sg.element14.com/b/multicomp-pro

**multicomp** PRO