Full-metal sensors
for use in the smallest of spaces

High-quality stainless steel housing
Compact dimensions for use in the smallest of spaces
Large temperature range up to 100 °C
Easy connection via M12 connector
Thread area can be entirely used
IP 65 to IP 69K for greater reliability

Full-metal sensors
Wherever sensors have to cope with harsh operating conditions, full-metal sensors are the right choice. Even temperatures up to 100 °C do not affect reliable end position detection. The high-quality stainless steel housing in combination with the ecolink connector allows for permanent use even when in contact with cleaning agents and humidity. Increased sensing ranges guarantee reliable detection and provide sufficient excess gain.

The compact dimensions and the possibility to mount sensors of the same type directly next to each other allow for permanent and reliable end position detection even in the smallest of spaces.
**Type** | **Total length [mm]** | **Sensing range [mm]** | **f [Hz]** | **Protection rating** | **Ambient temperature [°C]** | **Order no.**
---|---|---|---|---|---|---
**M12 connector - output function NO**
M12 x 1 | 45 | 5 qf | 250 | IP 65, IP 66, IP 67, IP 68, IP 69K | 0...100 | IFT259
M12 x 1 | 45 | 6 nf | 250 | IP 65, IP 66, IP 67, IP 68, IP 69K | 0...100 | IFT260
M18 x 1 | 45 | 10 qf | 200 | IP 65, IP 66, IP 67, IP 68, IP 69K | 0...100 | IGT261
M30 x 1.5 | 50 | 18 qf | 100 | IP 65, IP 66, IP 67, IP 68, IP 69K | 0...100 | IIT245
M30 x 1.5 | 65 | 25 nf | 100 | IP 65, IP 66, IP 67, IP 68, IP 69K | 0...100 | IIT246

**Dimensions**

**Further technical data**

- **Operating voltage [V DC]**: 10...30
- **Current rating [mA]**: 100
- **Reverse polarity protection**: •
- **Short-circuit protection**: •
- **Protection class**: III
- **Housing material**: high-grade stainless steel (316L)
- **Switching material**: yellow (4 x 90°)

**Accessories**

- **Type**: Angle bracket for M12 design, stainless steel
  - **Description**: E10735
- **Type**: Angle bracket for M18 design, stainless steel
  - **Description**: E10736
- **Type**: Angle bracket for M30 design, stainless steel
  - **Description**: E10737

**Connection technology**

- **Type**: Socket, M12, 4 poles 5 m, grey, MPPE cable
  - **Description**: EVF001
- **Type**: Socket, M12, 4 poles 2 m, grey, MPPE cable
  - **Description**: EVF064
- **Type**: Socket, M12, 4 poles 5 m, grey, MPPE cable
  - **Description**: EVF004
- **Type**: Socket, M12, 4 poles 2 m, grey, MPPE cable
  - **Description**: EVF067

**Wiring diagram**

For further technical details please visit: ifm.com