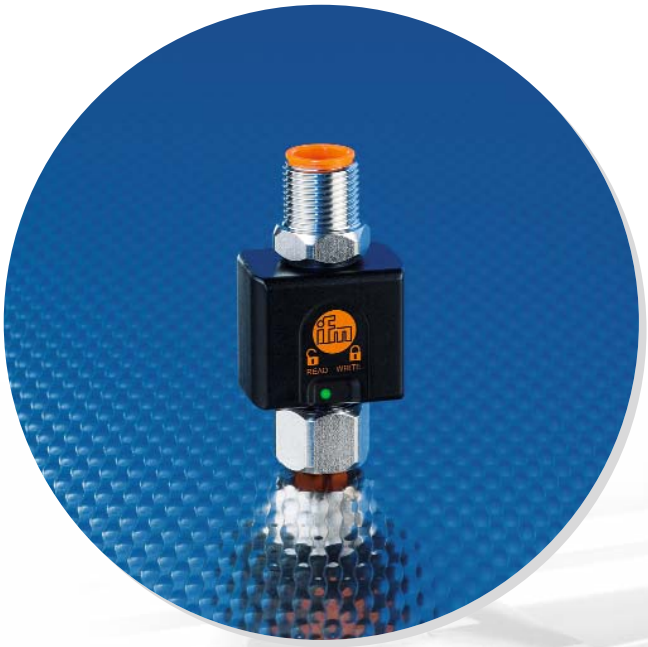
product news

ifm electronic

Fluid sensors and diagnostic systems

IO-Link memory plug – data storage in miniature format.



Quick and easy parameter setting of IO-Link sensors.

- Conveniently copy and store sensor data.
- Universal use for IO-Link sensors.
- Re-writable as often as desired.
- ecolink M12 connectors.

Application

The memory plug is used where sensor data are to be copied or stored. This could for instance be the case when a defective unit needs to be replaced or several sensors with the same parameter settings are installed.

The memory plug reads and stores the data from a connected IO-Link sensor. If the user then connects a sensor of the same type with factory settings, the data record stored on the memory plug will be copied onto the new sensor.

Advantages

The use of the memory plug saves time that would otherwise be needed for re-programming the sensor. Moreover, by copying the data, errors during re-parameterisation are avoided.

fluid sensors and diagnostic systems
position sensors and object recognition
bus, identification and control systems

Functionality

The memory plug allows easy storing or copying of parameters via an automatic parameter exchange. To do so, the memory plug is inserted in the supply and switching output cable of a device. During power-on or when connecting a device to the supplied memory plug, the data exchange is automatically carried out.

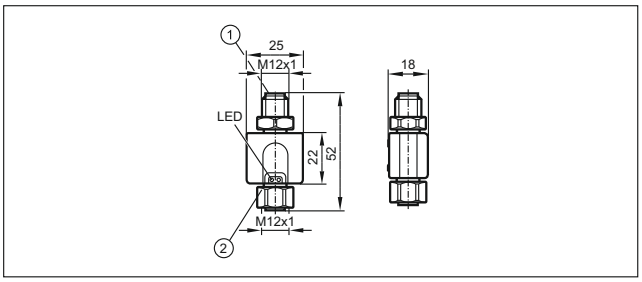
If the memory plug is empty it automatically stores the data of a connected sensor, including type.

Then the stored data can be transferred to as many sensors of the same type (= same device ID) as desired.

Furthermore, you can write-protect the memory plug or remove this write protection via the FDT container. In addition, you can write on and block the memory plug via the FDT container.

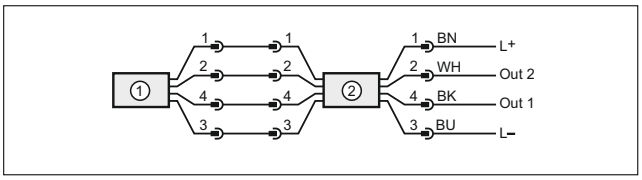
Even without a PC the write protection can be activated or deactivated and the factory setting restored by means of the teach button, available as an accessory.

Dimensions



1) Connection for voltage supply and output signals
2) Connection for sensor

Wiring diagram



IO-Link memory plug E30398		
Operating voltage	[V DC]	18...32
Current rating	[mA]	2000
Short-circuit protection		According to the connected sensor
Reverse polarity protection		•
Overload protected		According to the connected sensor
Voltage drop	[V]	< 0.5
Current consumption	[mA]	< 20
Ambient temperature	[°C]	-25...80
Protection		IP 67
Housing materials		PA, PET, High-grade stainless steel (316L/1.4404), TPU, FPM (Viton)

Accessories

Type	Description	Order no.
	Power supply 24 V DC	**E30080**
	Helpful when copying data to / from sensors in the laboratory or office	
	IO-Link interface, current consumption from USB port	**E30396**
	M12 connection cable, 0.3 m black, PUR cable	**EVC010**
	M12 connection cable, 2 m black, PUR cable	**EVC013**
	Teach button	**E30405**