

## IO-LINK INDUCTIVE COUPLER

The contactless plug connector

The IO-Link inductive couplers from Murrelektronik transmit power and bidirectional IO-Link communication contactlessly across an air gap. This prevents mechanical wear from occurring and is an ideal solution for replacing heavily stressed plug and slip connectors.

IO-Link master and devices can be connected to the IO-Link inductive coupler in a short amount of time (10 ms) and can be disconnected just as quickly. Typical application areas are tool changers, feed units, rotary indexing machines...many areas in which power and data need to be transmitted to movable machine and system parts.

The primary parts of the IO-Link inductive coupler can be combined with any number of secondary parts—and vice versa. Dynamic pairing can also be used to solve easily complex requirements involving several primary and secondary parts.

**IO-Link inductive couplers increase the availability of systems. They allow for the shortest cycle times and create flexibility in production processes.**



### Flexible and easy installation

- Transmission of IO-Link data and energy
- Position-independent application
- Plug & play, no configuration needed

### Maintenance-free

- No mechanical wear
- Fully encapsulated and leak-proof as per protection rating IP67

### Economical

- Replaces plug and slip connectors
- Short cycle times, faster restart



# IO-Link

## ORDER DATA

Description		Art. No.
	<p><b>IO-Link coupler primary M12 male</b>                      Operating voltage: 24 V DC <math>\pm 10\%</math>, Operating current: 750 mA                      Nominal clearance: 0 to 7 mm, Offset: max. 5 mm                      Angular offset: max. 15°, Ambient temperature: -20 to +55 °C                      Transmission function: IO-Link V.1.1, Port class A                      Protection rating: IP67 and IP68                      Electrical connection: M12 male A-coded, 4-pole                      Design: Threaded barrel M30 x 1.5</p>	<p>59450</p>
	<p><b>IO-Link coupler secondary M12 female</b>                      Output voltage: 24 V DC <math>\pm 10\%</math>, Output current: 500 mA                      Peak current at output: 0.1 ms 2400 mA, Peak current at output: 0.02 ms 10 A                      Start time: 10 ms, Nominal clearance: 0 to 7 mm, Ambient temperature: -20 to +55 °C                      Transmission function: IO-Link V.1.1, Port class A                      Protection rating: IP67 and IP68                      Electrical connection: connection cable 0.3 m, with M12 female, A-coded, 4-pole                      Design: Threaded barrel M30 x 1.5</p>	<p>59451</p>
	<p><b>Universal holder</b>                      Design: M30 x 1.5                      adjustable</p>	<p>59452</p>

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