

IO-LINK INDUCTIVE COUPLER

The Contactless Plug Connector

Murrelektronik's IO-Link inductive couplers 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 slip rings.

IO-Link masters 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 include tool changers, feed units and rotary indexing machines - areas in which power and data need to be transmitted to movable machine and system parts.

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 complex problems involving 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 to Install

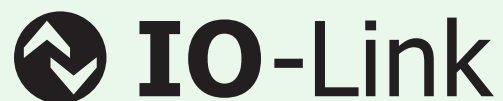
- Transmission of IO-Link Power & Communication
- Position-Independent Application
- Plug & Play - No Configuration Needed

Maintenance-free

- No Mechanical Wear
- Fully Encapsulated, Leak-proof
- IP67 Rated

Economical

- Replaces Slip Rings
- Short Cycle Times, Faster Restart



Description	Technical Data	Article Number
<p>Primary IO-Link Coupler</p> 	<p>Operating Voltage: 24V DC $\pm 10\%$ Operating Current: 750mA Nominal Clearance: 0 to 7mm Offset: max. 5mm Angular Offset: max. 15° Ambient Temperature: -20 to +55°C Transmission Function: IO-Link V. 1.1, Class A Port Protection Rating: IP67, IP68 Electrical Connection: 4-pole, A-coded M12 Male Design: M30 x 1.5 Threaded Barrel</p>	59450
<p>Secondary IO-Link Coupler</p> 	<p>Output Voltage: 24V DC $\pm 10\%$ Output Current: 500mA Peak Output Current: 0.1 ms = 2400mA, Peak Output Current: 0.02 ms = 10A Start Time: 10ms Nominal Clearance: 0 to 7mm Ambient Temperature: -20 to +55 °C Transmission Function: IO-Link V. 1.1, Class A Port Protection Rating: IP67, IP68 Electrical Connection: 4-pole, A-coded M12 Male w/ 0.3 m connection cable Design: M30 x 1.5 Threaded Barrel</p>	59451
<p>Universal Holder</p> 	<p>Design: M30 x 1.5 adjustable</p>	59452

IO-Link

