

QUICK SWITCH FROM ANALOG TO IO-LINK

IO-LINK ANALOG CONVERTER

The IO-Link analog converter from Murrelektronik can be used to connect analog sensors and actuators easily to the IO-Link master.

A series of sensors and actuators are designed for use in IO-Link applications. Although traditional analog sensors and actuators also have to be integrated into installation concepts again and again.

The quickest, easiest and most economical way to do this is by using the IO-Link analog converters from Murrelektronik. They convert the analog signal to the IO-Link protocol. This allows a wide range of types of analog devices to be connected to an IO-Link master.



IO-Link Analog Converter Features:

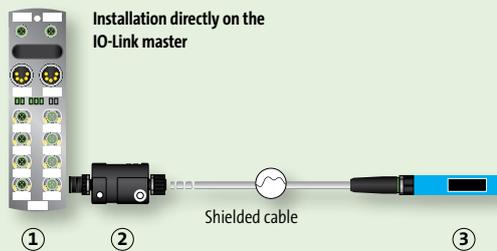
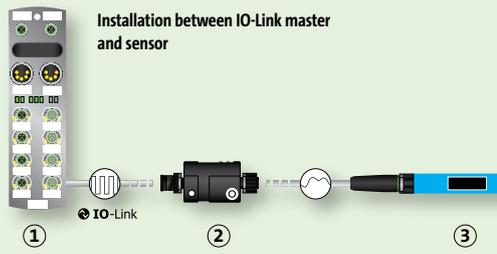
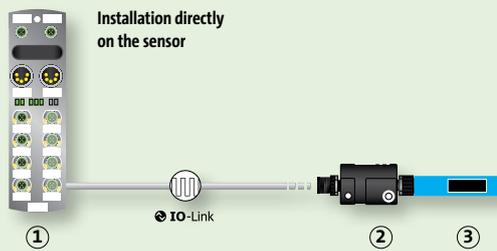
- Converter with fixed settings or freely configurable
- Makes **ANY** conventional analog standard sensor or actuator IO-Link-capable
- Connects several analog signals to one IO-Link master
- Quick transition from analog to IO-Link through Plug & Play
- Interference-free digital data transmission using M12 standard cables
- Extensive diagnostic options via IO-Link and LED indicators

Quick and precise conversion at a high resolution of 16 bits

Process value	Analog value	IO-Link	Control system
0...10 bar →	4...20 mA →	16 bit →	0...10 bar



- ① IO-Link master
- ② IO-Link analog converter
- ③ Analog sensor



On-site installations take advantage of standard cordsets

The IO-Link analog converter can be installed in the industrial field either in the immediate proximity of the analog sensor or actuator or even directly on the analog device. This makes it possible to transmit the converted signal to the IO-Link master module over large distances – distances of up to 20 meters being possible – using an **economical standard cable** without shielding.

The converter can also be mounted on the IO-Link master itself, for example, when the sensor or actuator is located in its immediate proximity.

Integrated fastening holes for in-line mounting allow variable and torsion-resistant fastening of the converter. They simultaneously function as functional earth connection.

ORDER DATA



Analog input		
Description	Signal shape	Art. no.
IO-Link/analog converter AI I 0...20 mA, M12 straight, 16-bit, IP65/67, IO-Link V1.1, Class A	0...20 mA	5000-00501-1100000
IO-Link/analog converter AI I 4...20 mA, M12 straight, 16-bit, IP65/67, IO-Link V1.1, Class A	4...20 mA	5000-00501-1110000
IO-Link/analog converter AI U 0...10V, M12 straight, 16-bit, IP65/67, IO-Link V1.1, Class A	0...10 V	5000-00501-1200000
IO-Link/analog converter AI U -10±10V, M12 straight, 16-bit, IP65/67, IO-Link V1.1, Class A	-10±10V	5000-00501-1210000
IO-Link/analog converter AI multi U/I, M12 straight, 16-bit, IP65/67, IO-Link V1.1, Class A	0...20 mA, 4...20 mA, 0...10 V, -10±10 V	5000-00501-1300001
Analog output		
Description	Signal shape	Art. no.
IO-Link/analog converter AO I 0...20 mA, M12 straight, 16-bit, IP65/67, IO-Link V1.1, Class A	0...20 mA	5000-00501-2100000
IO-Link/analog converter AO 4...20 mA, M12 straight, 16-bit, IP65/67, IO-Link V1.1, Class A	4...20 mA	5000-00501-2110000
IO-Link/analog converter AO 0...10V, M12 straight, 16-bit, IP65/67, IO-Link V1.1, Class A	0...10 V	5000-00501-2200000
IO-Link/analog converter AO -10±10V, M12 straight, 16-bit, IP65/67, IO-Link V1.1, Class A	-10±10V	5000-00501-2210000
IO-Link/analog converter AO multi U/I, M12 straight, 16-bit, IP65/67, IO-Link V1.1, Class A	0...20 mA, 4...20 mA, 0...10 V, -10±10 V	5000-00501-2300001