

Connection IO-Link Transducer

The products listed below facilitate the seamless integration of HIRT IO-Link Transducers into existing systems. By using connection cables, adapters and IO-Link masters, they enable the creation of efficient IO-Link systems that are easily compatible with industrial controllers from various manufacturers.

These proposed articles are from third-party suppliers. Their naming serves only as a non-binding suggestion and recommendation to facilitate the selection of suitable products from other suppliers. Please note that the product components listed are specially aimed for the HIRT IO-Link Transducer series with the A-coded M8 connection.

IO-Link Transducer / IO-Link master connection cable

Description

Connection cable
Manufacturer: **ifm electronic AG**
M8 socket - M12 plug
4-pole A-coded
0,3/1.5/2/4/5/10 m PUR-cable
Protection: IP67/IP68/IP69K
Silicone-free, Halogen-free
Suitable for drag chain
Contacts gold-plated
Resistant to oils and coolants
For more product information see: [Connection cable M8/M12](#)



Description

Connection cable
Manufacturer: **Weidmüller**
M8 socket - M12 plug
4-pole A-coded
0,3/0.9/1 /1.5/2/2.5/3.0/3.2/3.3/5/9.4/10/11.5/15 m PUR-cable
Protection: IP67/IP68/IP69K
Silicone-free, Halogen-free
Suitable for drag chain
Contacts gold-plated
Resistant to oils and coolants
For more product information see: [Connection cable M8/M12](#)



Description

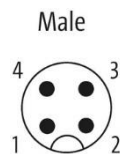
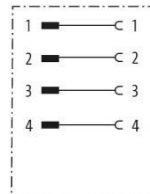
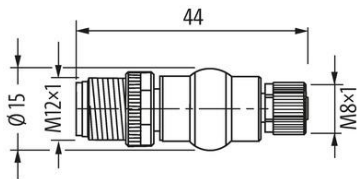
Connection cable
Manufacturer: **Murrelektronik**
M8 socket - M12 plug
4-pole A-coded
0,3/0.9/1 /1.5/2/2.5/3.0/3.2/3.3/5/9.4/10/11.5/15 m PUR-cable
Protection: IP67/IP68/IP69K
Silicone-free, Halogen-free
Suitable for drag chain
Contacts gold-plated
Resistant to oils and coolants
For more product information see: [Connection cable M8/M12](#)



Adaptor M12 plug / M8 socket A-coded

Description

Adaptor plug – socket
Manufacturer: **Murrelektronik**
Application: M8/M8 cable to M12 plug
M12 – M8, 4-pole
M12, A-coded
Part no. 7005
For more product information see: [Adapter M12/M8](#)



IO-Link Master as gateway

The IO-Link masters for field applications are gateways for the connection of IO-Link devices such as sensors, actuators or binary input/output modules. These masters transmit important machine data, process parameters and diagnostic data to the central control system.

The integration of IO-Link devices into the control environment is simplified by the master, which not only reduces costs but also shortens commissioning times and increases productivity.

A special feature is the support of the MQTT communication protocol by all fieldbus modules. MQTT is considered the standard for uncomplicated TCP/IP-based communication between different systems. This feature enables the seamless integration of IO-Link devices into a variety of environments, including cloud communication. This in turn offers opportunities for analysing systems and improving production and quality.

The product range from various manufacturers includes interfaces to different protocols such as IO-Link, PROFINET, EtherNet/IP, EtherCAT, MQTT JSON and TCP/IP-JSON. The IO-Link masters therefore offer a flexible and powerful solution for a variety of communication and application areas in industrial automation.



IO-Link Master

Description

IO-Link Master AL series

Manufacturer: **ifm electronic**

Interfaces: IO-Link, PROFINET, EtherNet/IP, EtherCAT, MQTT JSON, separate TCP/IP JSON interface

Number of Class A ports: 1/2/4/8

Connection: M12, A-coded

Developed IO-Link master according to the AIDA specifications of car

Manufacturers Daisy-chain power supply with L-coded M12 connection technology

Voltage and current measurement per port for energy monitoring



For more product information see: [ifm electronic IO-Link Master](#)

Description

IO-Link Master EP622x series

Manufacturer: **Beckhoff**

Interfaces: IO-Link, EtherCAT

Number of Class A ports: 1/2/4/8

Connection: M12, A-coded

The parameterisation of the IO-Link devices with service data can be carried out either from [TwinCAT](#) via ADS or very user-friendly via the integrated IO-Link commissioning tool.

For more product information see: [Beckhoff IO-Link Master](#)



Description

IO-Link Master series

Manufacturer: **WAGO**

Interface: IO-Link

Number of Class A ports: 1/2/4/8

Connection: M12, A-coded

Parameterisation and configuration of the WAGO IO-Link devices is carried out via the WAGO IO-Link Configurator.

For more product information see: [Wago IO-Link Master](#)



Description

IO-Link Master series

Manufacturer: **Murrelektronik**

Interface: IO-Link

Number of Class A ports: 1/2/4/8

Connection: M12, A-coded

Parameterisation of the IO-Link devices can be carried out with service data from the IO-Link Device Tool. The Pro series server can be connected via the SMI (Standardised Master Interface) for numerous access options to the data or for data or for parameterisation, e.g. web server, tools, OPC UA Server, JSON REST API and MQTT. This enables data visualisation out-of-the-box using the Web server and JSON REST API.

For more product information see: [Murrelektronik IO-Link Master](#)



Getting started with IO-Link technology

Description

IO-Link starter kit ADS01

Manufacturer: **autosen gmbh**

The ADS01 IO-Link starter kit is the ideal introduction to the world of IO-Link technology. It contains all the necessary components to ensure a smooth start. The kit not only enables simple parameterisation of IO-Link sensors, but also offers convenient visualisation and analysis of process data.

A central component of the starter kit is a robust IO-Link master, which is specially designed for field use. This serves as a gateway for connecting up to 4 IO-Link devices such as sensors, valves or binary input/output modules. The integration and control of these devices is efficiently ensured by the reliable IO-Link master.

The ADS01 starter kit is therefore a comprehensive solution for exploring the benefits of IO-Link technology. It not only makes it easier to get started with parameterising sensors, but also offers the option of visualising and analysing process data – everything you need to successfully explore and use the IO-Link world.



For more product information see: [IO-Link starter kit](#)

Data integration of IO-Link and OPC UA, JSON, API and MQTT

In order to be able to use data from the IO-Link level in higher-level systems or cloud-based services, gateways are used that perform a protocol conversion according to predefined rules.

[Read more...](#)

E-learning „IO-Link basics“

The e-learning "IO-Link Basics" offers a comprehensive introduction to the world of IO-Link technology. This course covers the fundamental concepts, possible applications and advantages of IO-Link are covered in detail.

Participants will have the opportunity to understand how IO-Link devices work, recognise the benefits of the technology in industrial automation and develop basic skills for the integration and application of IO-Link in various industrial environments. The course may also include practical examples, case studies and applications to promote a real-world understanding.

Murrelektronik IO-Link Video Series [«The future speaks IO-Link – but what is IO-Link?»](#)

Änderungsnachweis / Change Notification

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