



IO-Link

Starter kit IO-Link master



IO-Link masters
StandardLine Coolant



**4-port IO-Link master with
PROFINET interface**

230V/24V plug-in power supply

**LR DEVICE (USB stick) IO-Link
parameter setting software**

**Photoelectric IO-Link distance
sensor**

Ethernet cable M12/RJ45, 0.5 m

Sensor cable M12/M12, 0.6 m



Starter kit IO-Link master

With this starter kit you can basically give the advantages of our IO-Link sensors a try directly on your desk. Transform a binary photoelectric distance sensor that only delivers a switch point 1 or 0 on a digital input card into an intelligent sensor and even measure the distance to the object. Besides the IO-Link master and the IO-Link sensor can be configured by means of the intuitive IO-Link parameter setting software. Complicated parameter setting on the display of the sensor is no longer necessary.

The decentralized IO-Link master serves as a gateway between intelligent IO-Link sensors and the fieldbus PROFINET. This means that it is also possible to set up a simple PROFINET connection e.g. to a Siemens controller.

To do this please download the "startup package" for the AL1100 from our website: www.ifm.com



Advantages and customer benefits

• Sensor configuration with LR DEVICE

The intuitive software finds all IO-Link masters in the network and creates an overview of the whole plant. In addition, all connected sensors are displayed with the respective parameters. This makes it possible to set the parameters of all sensors in the system from one central point.

• Easy sensor connection

The sensors and actuators are connected via standard M12 connection cables without screening. Depending on the device type, up to 4 or 8 IO-Link sensors can be connected and supplied with up to 3.6 A. With the EVC693 accessories, additional auxiliary power for the connection of IO-Link actuators can be supplied. The cable can be up to 20 m long.

• Reliable digital data

The sensor data is transferred digitally. Unlike analogue signals, contact resistance and EMC interference cannot corrupt the signals.

• Direct connection to the IT

The integrated LR AGENT EMBEDDED is capable of transmitting the process values directly to ERP systems, without detour via the PLC.

This second communication path is available in parallel to the fieldbus via the bus wiring.

The products

Type	Description	Order no.
Starter kit (complete set)		
	Starter kit IO-Link master	ZZ1100
Starter kit (individual components)		
	4-port IO-Link master with PROFINET interface	AL1100
	Plug-in power supply, 230 V/24 V	E30080
	LR DEVICE (USB stick), IO-Link parameter setting software	QA0011
	Photoelectric IO-Link distance sensor	O5D150
	Ethernet cable M12 / RJ45 0.5 m	E12490
	Sensor cable M12 / M12, 0.6 m	EVC041
IO-Link master StandardLine Coolant		
	Profinet 4-port	AL1100
	EtherNet/IP 4-port	AL1120
	Profinet 8-port	AL1102
	EtherNet/IP 8-port	AL1122

Further technical data

IO-Link Master StandardLine Coolant	Order no.	
	AL1100 AL1120	AL1102 AL1122
Operating voltage	[V DC]	20...30
Total current consumption	[A]	≤ 3.9
IO-Link version		1.1
Number of IO-Link ports		4 A ports 8 A ports
Number of binary inputs (IO-Link in SIO mode)		4 + 4 8 + 8
Number of binary inputs (IO-Link in SIO mode)		4 8
Parameter memory		•
Current for all ports (device supply)	[A]	≤ 3.6
Protection		IP 65, IP 67
Ambient temperature	[°C]	-25...60
Housing materials		Polyamide; socket: nickel-plated brass