For maximum performance

IO-Link masters from the PerformanceLine

- Field-ready IO-Link masters for connecting up to 8 IO-Link sensors and/or actuators with up to 2 amperes
- Power supply up to 16 amperes possible via L-code cabling
- Easy energy management thanks to current measurement and configurable current limitation for each port

IP67 IP69 IO-Link

ifm – close to you!

Description	Order no.	
	Coolant (orange)	Food (grey)
PerformanceLine IO-Link masters · 4 ports		
PROFINET	**AL1400**	**AL1401**
EtherNet/IP	**AL1420**	**AL1421**
EtherCAT	**AL1430**	**AL1431**
PerformanceLine IO-Link masters · 8 ports		
PROFINET	**AL1402**	**AL1403**
PROFINET with OPC UA Server	**AL1406**	**AL1407**
EtherNet/IP	**AL1422**	**AL1423**
EtherNet/IP with OPC UA server	**AL1426**	**AL1427**
EtherCAT	**AL1432**	**AL1433**

Technical data		
Voltage supply		M12, L-code, 16A (US), 16A (UA) daisy-chain option
IO-Link ports 4-port master 8-port master		 4x B ports 4x A ports, 4x B ports
Current rating of the outputs UA (total / port) US (total / port)	 [A] [A]	 8 / 2 3.9 / 2
Coolant (orange) Protection rating Housing Socket / connector		 IP67 polyamide nickel-plated brass
Food (grey) Protection rating Housing Socket / connector		 IP69 polyamide stainless steel

Decentralised data nodes with a secure connection

The field-ready IO-Link masters from the PerformanceLine are powerful and decentralised communicators between sensors, actuators, controllers and the IT level.

The variant with an integrated OPC UA server enables standardised communication directly from the IO-Link master to the IT level, eliminating the need for an additional gateway. Sensor data and status information can be read directly and processed further independently of the platform.

Up to 16 amperes are available

The IO-Link masters can be supplied with up to 16 amperes via the standardised L-coded M12 connectors. A maximum of 2 amperes is provided per port, which is sufficient to control large solenoid valves or other energy-intensive actuators, for example. The integrated daisy-chain function allows multiple masters to be connected to a single power supply, helping reduce cabling effort even further.

Energy monitoring

A current limit can be set for each port. Furthermore, voltage and current values can be measured at each port, making it easy to determine the energy requirements of the system and analyse them in ERP systems.

BEST FRIENDS

IO-Link M12 modules
Connection of binary sensors to IO-Link masters

moneo|configure free
Software for parameter setting of the IO-Link infrastructure

IP67 power supply
24 volt supply in the field, controllable via IO-Link

For further technical details, please visit: ifm.com/fs/AL1400

We reserve the right to make technical alterations without prior notice. · 04.2026
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