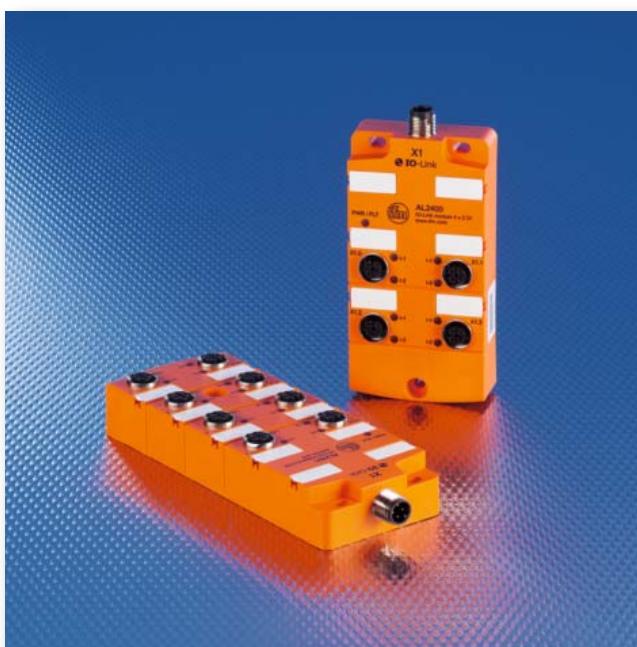


IO-Link I/O module minimises wiring costs for sensors



Effective connection of binary sensors to any IO-Link master

- Up to 8 locations with two binary inputs each
- Unscreened standard M12 cable sufficient for data and energy transmission
- High protection rating IP 67
- Robust due to full potting



Field modules with IO-Link connection

Up to eight conventional sensors can be connected to these modules. IO-Link transfers the signals to any IO-Link master / PLC via one unshielded M12 connection cable. Wiring costs are reduced because there are no longer any complex cable trees.

As opposed to bus systems IO-Link does not require any configuration or addressing. This simplifies installation.

Two binary inputs per M12 socket

Pin 4 and pin 2 of each socket are used for one input. That means that dual sensors, normally closed or normally open, can be connected without any problem.

Robust field device

The modules allow use in a wide temperature range of -25...70 °C. The high EMC and the robust mechanics guarantee high availability even in difficult environments.



Wire 16 signals with three wires.

Advantages and customer benefits

- **IO-Link replaces multi-pole cable**

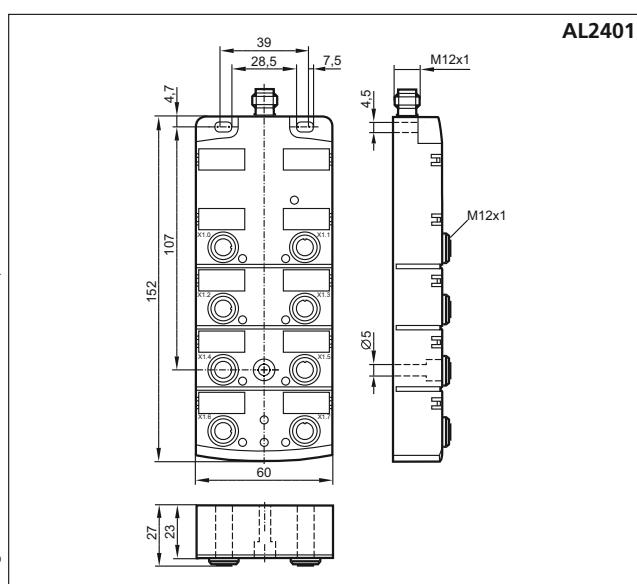
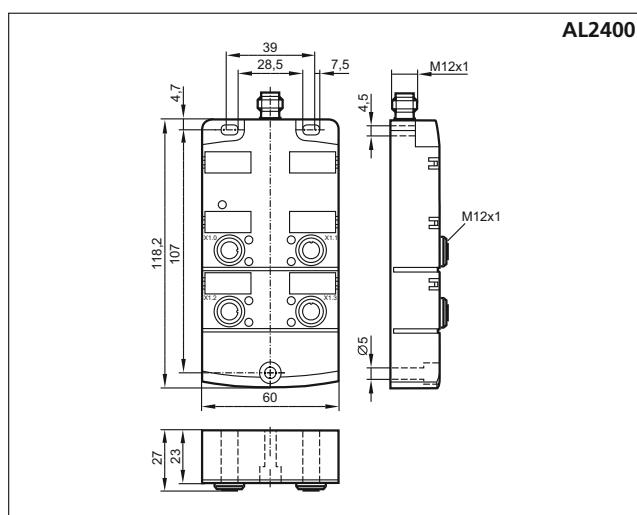
Multi-wire cables and connectors are a matter of the past. Standard M12 connections between the input module and an IO-Link master transfer up to 16 binary input signals.

- **Support of interchangeable tools**

The tree-wire connection minimises complex cabling for interchangeable tools.

The input modules can store a tool number so that the PLC can easily identify and differentiate tools.

Dimensions



Technical data

IO-Link input modules		
Operating voltage	[V DC]	18...30
IO-Link version		1.1 and 1.0
Type of transmission		COM2 (38 kBaud)
Min. cycle time process data	[ms]	2.3
Protection		IP 67
Ambient temperature	[°C]	-25...70
Short-circuit protection		•
Overload protection		•

Unit versions

Order no.	AL2400	AL2401
M12 sockets	4	8
Number of binary inputs	4 x 2	8 x 2
Total current consumption	[mA]	≤ 450 ≤ 850
Current rating for all outputs, total	[mA]	400 800