



Decentralised I/O solution with maximum efficiency

IO-Link AutomationLine modules with
digital inputs / outputs

- 8 independently configurable digital I/O ports for IO-Link communication
- Compact AutomationLine housing for cost-optimised field automation
- Reduced process and diagnostic data for a particularly economical device concept
- Robust IP67 design for decentralised use in the field



IP67



ifm – close to you!

Flexible digital inputs and outputs with IO-Link connection

The AutomationLine modules have 8 ports, each with two channels. On the AL2821, these can be individually configured as digital inputs or outputs. On the AL2841, they are used exclusively as digital inputs.

The connection via IO-Link enables simple and space-saving integration into existing system architectures.

Basic device concept with optimised data volume

By focusing specifically on essential process and diagnostic data, the AutomationLine modules represent a cost-effective alternative to IO-Link modules with a wider range of functions. They are particularly suitable for systems and applications where reliable basic functions are sufficient. The reduced amount of data simplifies configuration and lowers engineering and system costs.

Robust design for decentralised field applications

The modules have a robust AutomationLine housing and are designed for use in demanding industrial environments. With IP67 protection and an extended temperature range of -40...+70 °C, they are ideal for continuous use in the field.

Description	Order no.
Coolant	
IO-Link I/O module with 8 DX ports (16 inputs / outputs, configurable)	AL2821
IO-Link I/O module with 8 DI ports, (16 inputs)	AL2841

Technical data	
Electrical connection IO-Link	M12 A-code
Number of inputs and outputs	16 DI , 16 DO
Overall current rating of outputs (AL2821)	1000 [mA]
Operating voltage	18...30 DC [V]
Ambient temperature	-40...70 [°C]
Coolant (black) Upper part of housing Lower part of housing Socket / connector	PC (polycarbonate) PBT PC (polycarbonate)
Protection rating	IP67

BEST FRIENDS



IO-Link masters
8 freely configurable A/B ports and EtherNet/IP interface



Capacitive sensors
For position detection or level monitoring



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



For further technical details, please visit:
ifm.com/fs/AL2821