



Decentralised I/O solution with maximum efficiency

IO-Link DX module 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



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Flexible digital inputs and outputs with IO-Link connection

The AutomationLine DX module offers 8 ports that can be individually configured as digital inputs or outputs (2 per port).

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 DX module represents a cost-effective alternative to IO-Link modules with a wider range of functions. It is 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 module has a robust AutomationLine housing and is designed for use in demanding industrial environments. With IP67 protection and an extended temperature range of -40...+70 °C, it is ideal for continuous use in the field.

| Description | Order no. |
|------------------------------------------|---------------|
| Coolant | |
| IO-Link I/O module with 8 DX ports, IP67 | AL2821 |

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

BEST FRIENDS

We reserve the right to make technical alterations without prior notice. · 04.2026
ifm electronic gmbh · Friedrichstr. 1 · 45128 Essen



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