

I/O module - AXL F IOL8 2H - 1027843

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Axioline F, IO-Link master, 8 IO-Link ports, transmission speed in the local bus: 100 Mbps, degree of protection: IP20, including bus base module and Axioline F connectors

Product Description


The module is designed for use within an Axioline F station. The IO-Link master enables the operation of up to eight IO-Link devices. Alternatively, you can connect a standard sensor or actuator to each port. When used in combination with the Axioline F bus coupler, the IO-Link master is the connecting element that integrates IO-Link devices into a higher-level bus system.

Your advantages

- Connection of eight IO-Link devices
- Alternatively: connection of one digital sensor or actuator per port
- Connection of IO-Link devices in 3-conductor technology
- Connection of sensors in 3-wire technology
- Connection of actuators in 2 and 3-wire technology
- Parameter data storage on the master
- IO-Link specification V1.1.2
- Device rating plate stored



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 523552
GTIN	4055626523552
Sales Key	O1 - Automation Systems
Note	Made to Order (non-returnable)

Technical data

Dimensions

Width	35 mm
Height	129.9 mm
Depth	54 mm
Note on dimensions	The depth is valid when a TH 35-7,5 DIN rail is used (according to EN 60715).

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Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20

Connection data

Designation	Axioline F connector
Connection method	Push-in connection
Note on the connection method	Please observe the information provided on conductor cross sections in the "Axioline F: system and installation" user manual.
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
Stripping length	8 mm

Interfaces

Designation	Axioline F local bus
No. of channels	2
Connection method	Bus base module
Transmission speed	100 Mbps

Digital inputs

Description of the input	IO-Link ports in digital input (DI) mode
Connection method	Push-in connection
Connection technology	3-wire
Number of inputs	max. 8 (EN 61131-2 type 1)
Nominal input voltage U _{IN}	24 V DC
Input voltage range "0" signal	-0.3 V DC ... 5 V DC
Input voltage range "1" signal	11 V DC ... 30 V DC
Nominal input current	typ. 2.5 mA
Sensor current per channel	max. 1 A (from L+/L-)
Input filter time	1 μs

IO-Link inputs

Number of ports	8
Connection method	Push-in connection
Connection technology	3-wire

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Technical data

IO-Link inputs

Port type	Class A
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Digital outputs

Output description	IO-Link ports in digital output (DO) mode
Connection method	Push-in connection
Connection technology	2, 3-wire
Number of outputs	max. 8
Nominal output voltage	24 V DC
Nominal current per channel	200 mA

Supply of the IO-Link ports

Nominal voltage for I/O supply	24 V DC
Nominal current for every IO-Link port	200 mA (at C/Q)
	1 A (at L+/L-)
Type of protection	Overload protection for L+
	Short-circuit protection for L+

General

Mounting type	DIN rail
Net weight	0 g
Note on weight specifications	with connectors and bus base module
Degree of pollution	2

Electrical isolation

Test section	5 V communications power (logic), 24 V supply (I/O) 500 V AC 50 Hz 1 min.
	5 V supply (logic)/functional earth ground 500 V AC 50 Hz 1 min.
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min.

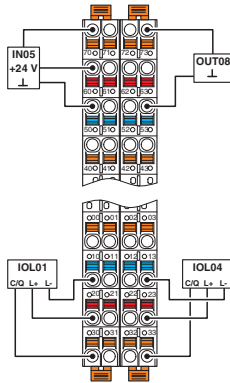
Standards and Regulations

Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g
	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 30g
	Continuous shock according to EN 60068-2-27/IEC 60068-2-27 10g
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

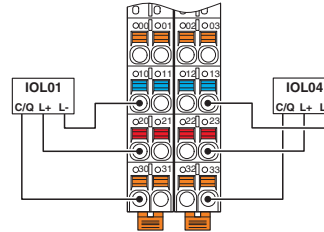
Drawings

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Connection diagram



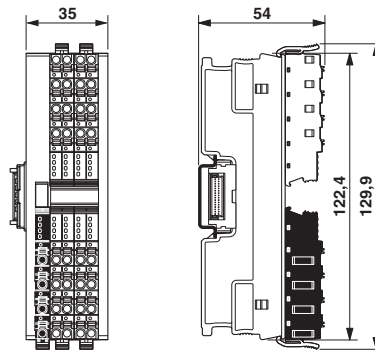
Connection diagram



Connection example

Connection example

Dimensional drawing



Classifications

eCl@ss

eCl@ss 6.0	27242600
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608
eCl@ss 9.0	27242608

ETIM

ETIM 5.0	EC001604
ETIM 6.0	EC001604

Accessories

Accessories

DIN rail connector

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Accessories

Bus connector - AXL F BS H - 2700992



Axioline F bus base module for housing type H

Terminal marking

Zack marker strip - ZB 20,3 AXL UNPRINTED - 0829579



Zack marker strip for Axioline F (device labeling), in 2 x 20.3 mm pitch, unprinted, 25-section, for individual labeling with B-STIFT 0.8, X-PEN, or CMS-P1-PLOTTER

Zack Marker strip, flat - ZBF 10/5,8 AXL UNPRINTED - 0829580



Zack marker strip, flat, in 10 mm pitch, unprinted, 10-section, for individual labeling with M-PEN 0,8, X-PEN, or CMS-P1-PLOTTER
