

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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 digital 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-wire 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
Weight per Piece (excluding packing)	215.000 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Dimensions

Width	35 mm
-------	-------

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

Technical data

Dimensions

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).

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

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

Technical data

IO-Link inputs

Number of ports	8
Connection method	Push-in connection
Connection technology	3-wire
Port type	Class A

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	1 A (at L+/L-)
	200 mA (at C/Q)
Type of protection	Overload protection for L+
	Short-circuit protection for L+

General

Mounting type	DIN rail
Color	traffic grey A RAL 7042
Net weight	215 g
Note on weight specifications	with connectors and bus base module
Degree of pollution	2
Mounting position	any (no temperature derating)

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)

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50

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

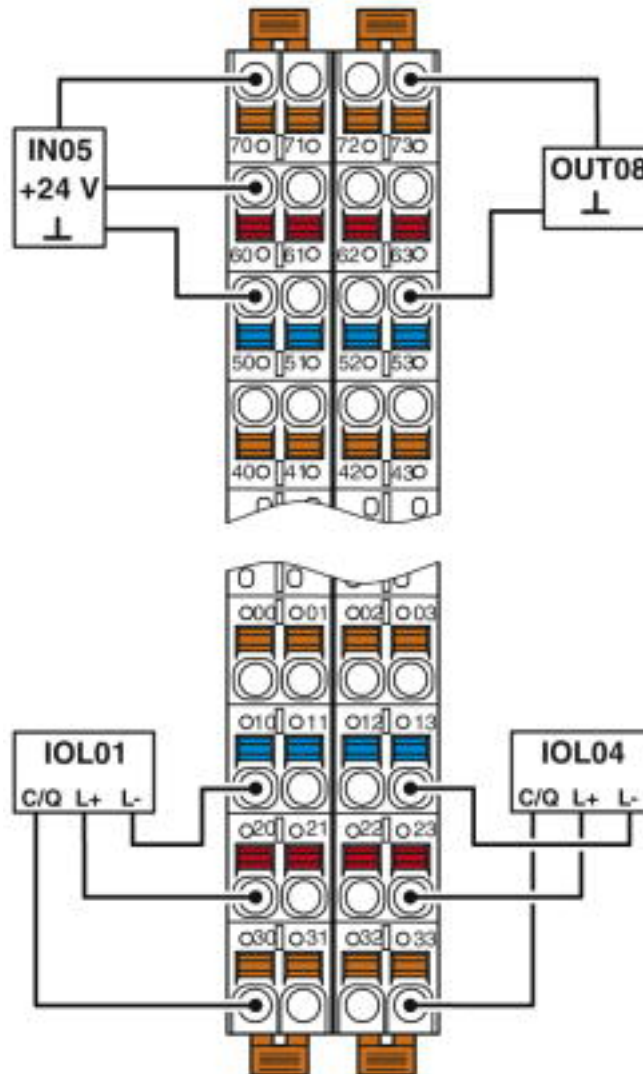
Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
--	---

Drawings

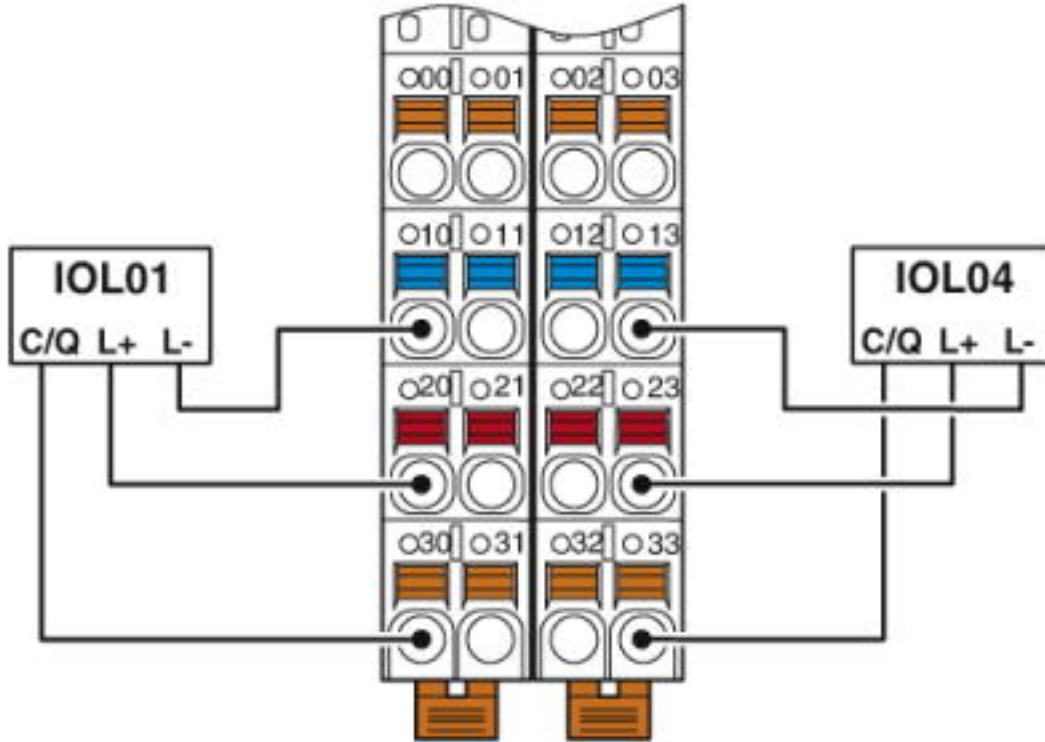
Connection diagram



Connection example

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

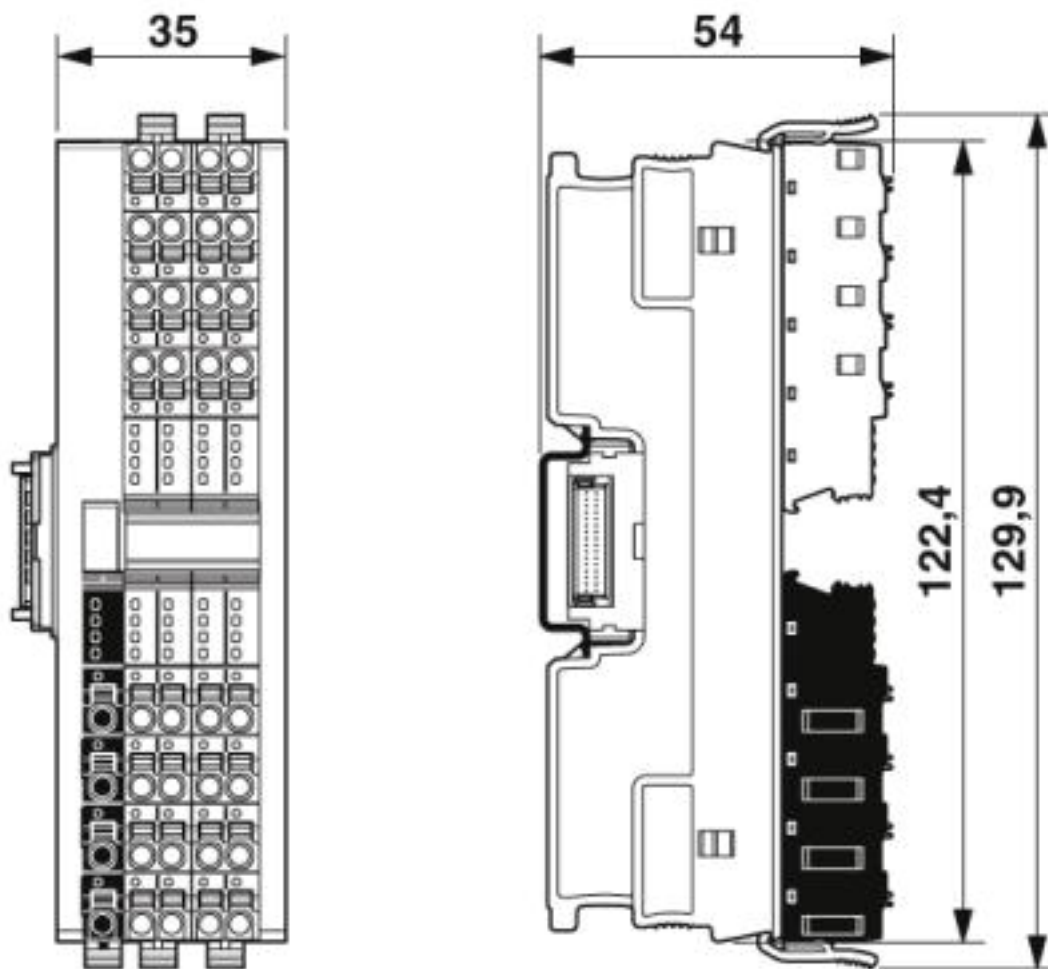
Connection diagram



Connection example

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

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
ETIM 7.0	EC001604

Accessories

Accessories

DIN rail connector

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

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, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 10.15 mm, lettering field size: 4 of 10.15 x 5 mm and 1 of 5.8 x 5 mm, Number of individual labels: 50
