

AD001 IO-Link Master



Order by 2 pm - Shipping on the same working day

274,64 € offline price 290,62 €

Incl. 5.5% online discount for online orders

Overview

- controls communication between IO-Link sensor and PLC
- Installation in control cabinet or directly in the field
- Coupling of the sensor to the master via a maximum 20 m long, unshielded sensor cable
- Master ensures digital signal transmission (binary switching, analogue input/output, parameters) to the PLC or to the parameter setting software
- Protection rating IP65/ IP67

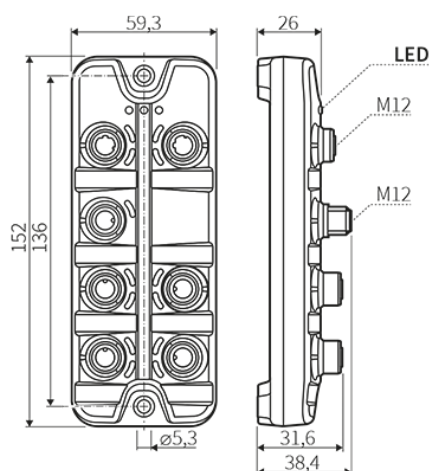
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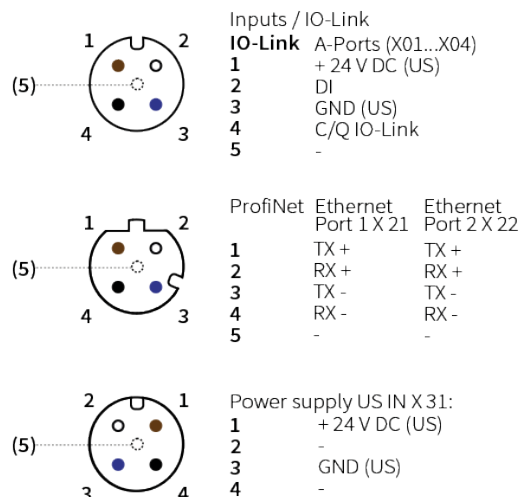
In daily use - proven millions of times over. Products from autosen are under highest quality requirements regarding robustness, insensitivity and reliability.

We offer 5 years warranty - with money-back guarantee!

Dimensional drawing



Connection & pin assignment



General information

Range of application	Input/output in field applications for power supply and as communication interface
Communication interfaces	Ethernet IO-Link
Protocol	PROFINET IO
Parametrisation options	In combination with autosen:io (AD002) parametrisation of sensors with IO-Link interface

Outputs / inputs

Ethernet	2 x Ethernet (Profinet) IN / OUT (X21, X22)
Power supply	Power supply IN (X31)
Number of digital outputs	4: (IO-Link Port Class A: 4 x 1) (X01 - X04)
Switching level	Low: 0 ... 5 V High: 11 ... 30 V
Number of digital inputs	8: 4 digital inputs on pin 2 / 4 additional inputs on pin 4 (IO-Link)
Transfer type	COM 1 / COM 2 / COM 3
IO-Link revision	1.1
Number of ports class A	4
IO-Link	Yes

Electrical data

Total current carrying capacity	3600mA
Current carrying capacity per output	200mA
Operating voltage	20 ... 30 V DC
Voltage type	Direct voltage (DC)
Current consumption max.	300 ... 3900mA
Protection class	III
Short-circuit protection	Yes

Mechanical data

Material of housing	Polyamide (PA) Nickel-plated brass
Electrical connection	M12 4-pin

Ambient conditions

Ambient temperature min.	-25°C
Ambient temperature max.	60°C
Protection rating	IP65 IP67



Additional information

MTTF	90years
Function display	LED
	Yellow
	Green
	Red
Accessories included with delivery	No accessories included
EMC test	DIN EN 61000-6-2
	DIN EN 61000-6-4
Comment	For further information please refer to the operating instructions
Approval	CE



Accessories: Power supply unit



AN003

Plug-in power supply 24V EU

Unit price: 18,30 €*



AN005

24 V plug-in power supply with international adapters

Unit price: 28,05 €*

Accessories: Software



AD002

autosen.io

Unit price: 116,47 €*

Accessories: Ethernet cable



AA035

Ethernet cable M12 - M12

Unit price: 33,13 €*



AA036

Ethernet cable M12 - RJ45

Unit price: 40,82 €*

Accessories: Connection technology



AA206

Connection cable M12/M12 4P
PUR 10m IP69K

Unit price: 25,20 €*



AA205

Connection cable M12/M12 4P
PUR 10m IP69K

Unit price: 22,15 €*



AA204

Connection cable M12/M12 4P
PUR 5m IP69K

Unit price: 20,65 €*



AA202

Connection cable M12/M12 4P
PUR 5m IP69K

Unit price: 17,28 €*



AA203

Connection cable M12/M12 4P
PUR 2m IP69K

Unit price: 17,48 €*



AA207

Connection cable M8/M12 3P
PUR 2m IP69K

Unit price: 13,92 €*



AA201

Connection cable M12/M12 4P
PUR 2m IP69K

Unit price: 14,11 €*



AA208

Connection cable M8/M12 4P
PUR 2m IP69K

Unit price: 14,47 €*

Accessories: M12 connector | 4-pin | plug



AA946

Wireable connector angled M12

Unit price: 7,01 €*



AA921

Wireable connector M12

Unit price: 7,01 €*



AA961

Wireable connector angled M12
IP69k

Unit price: 15,00 €*



AA959

Wireable connector straight M12
IP69k

Unit price: 15,00 €*

Accessories: IO-Link sensor hub



AD006

IO-Link input module for binary
signals

Unit price: 109,27 €*



AD007

IO-Link input module for binary
signals

Unit price: 183,40 €*



AD011

Universal IO-Link
sensor/actuator module

Unit price: 226,73 €*



AD010

Universal IO-Link
sensor/actuator module

Unit price: 238,83 €*

Accessories: Y-distributor

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**AA046**

Y-splitter cable M12/2xM12

Unit price: 18,67 €***AA922**

Y distributor M12/2xM12

Unit price: 12,27 €*

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