

ALI 122 - IO-Link master with EtherNet/IP interface



- Reliable transmission of machine data, process parameters and diagnostic data to the controller
- For connection of up to eight IO-Link devices
- With integrated EtherNet/IP interface
- Robust housing for use in harsh industrial environments

Application

I/O modules for field applications

Daisy-chain function

fieldbus interface

Electrical data**Operating voltage [V]**

20...30 DC; (US; to SELV/PELV)

Current consumption [mA]

300...3900; (US)

Protection class

III

Sensor supply US**Max. current load total [A]**

3.6

Inputs / outputs**Total number of inputs and outputs**

16; (configurable)

Number of inputs and outputs

Number of digital inputs: 16; Number of digital outputs: 8

Inputs**Number of digital inputs**

16; (IO-Link Port Class A: 8 x 2)

Switching level high [V]

11...30

Switching level low [V]

0...5

Digital inputs protected against short circuits

yes

Outputs**Number of digital outputs**

8; (IO-Link Port Class A: 8 x 1)

Max. current load per output [mA]

300

Short-circuit proof

yes

Interfaces**Communication interface**

Ethernet; IO-Link

Note on interfaces

DHCP, BOOTP, static

DLR (Device Level Ring)

**Supported network topologies: line
ring**

Ethernet

Transmission standard
10Base-T; 100Base-TX

Transmission rate
10; 100

Protocol
EtherNet/IP

Factory settings

IP address: 192.168.1.250
subnet mask: 255.255.255.0
gateway IP address: 0.0.0.0
MAC address: see type label

IO-Link Master

Transmission type
COM1 (4,8 kBaud); COM2 (38,4 kBaud); COM3 (230,4 kBaud)

IO-Link revision
1.1

Number of ports class A
8

Operating conditions

Ambient temperature [°C]
-25...60

Storage temperature [°C]
-25...85

Max. relative air humidity [%]
90

Protection
IP 65; IP 66; IP 67

Degree of soiling
2

Tests / approvals

EMC

EN 61000-6-2
EN 61000-6-4

Shock resistance

DIN EN 60068-2-27

Vibration resistance

DIN EN 60068-2-64 2009-04

DIN EN 60068-2-6 2008-10

MTTF [years]

78

Mechanical data

Weight [g]

396

Material

housing: PA; Socket: brass nickel-plated

Sealing material

FKM

Remarks

Remarks

Further information is available in the manual.

Pack quantity

1 pcs.

Electrical connection - Ethernet

IN / OUT X21, X22

Connector: M12; sealing: FKM

Electrical connection - Process connection

IO-Link Port Class A X01...X08

Connector: M12; sealing: FKM

Electrical connection - voltage supply

X31

Connector: M12