



I/O hub

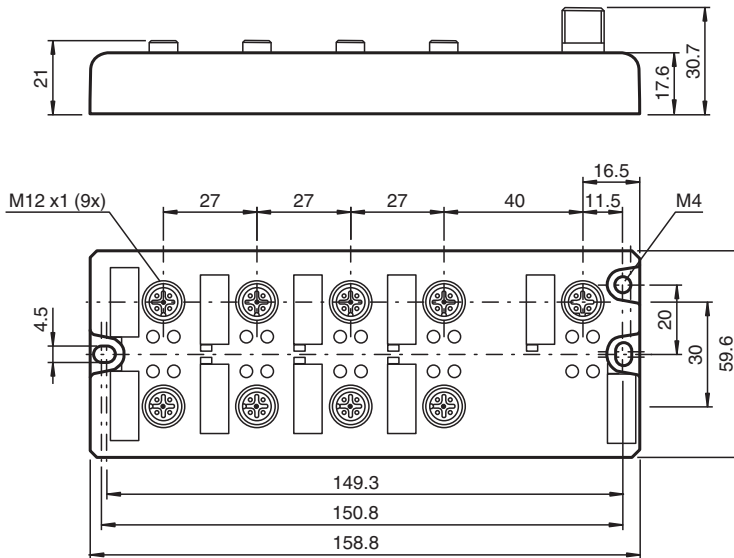
ICA-10DI6DO-G60A-IO

- Sturdy metallic housing
- IO-Link interface for service and process data
- 10 digital inputs and 6 digital outputs
- Logic level can be configured per port
- Filter time can be configured per port
- Pulse extension can be configured per port

I/O hub with IO-Link interface for 10 digital inputs and 6 digital outputs



Dimensions



Technical Data

General specifications

UL File Number E223772

Functional safety related parameters

MTTF_d 2111 a

Indicators/operating means

LED U _{AUX}	Green: Actuator supply voltage OK Red: Actuator supply voltage < 18 V
LED IO-Link	Green: module is switched on, no communication Flashing green: communication OK Red: signal line overload
LED A	Orange: status indicator channel A Red: peripheral error
LED B	White: status indicator channel B Red: peripheral error
LED U _S	Green: system/sensor supply voltage OK Red: system/sensor supply voltage < 18 V Flashing red: sensor supply voltage overload

Technical Data

Electrical specifications

Rated operating voltage	U_e	18 ... 30 V
Nominal voltage	U_N	24 V DC
Nominal current		4 A
Current consumption		typ. 80 mA

Interface

Interface type		IO-Link
IO-Link revision		1.1
Device profile		Identification and Diagnosis - I&D
Device ID		0x0F0202 (983554)
Transfer rate		COM3 (230.4 kbits/s)
Min. cycle time		2 ms
Process data width		Input 4 Byte Output 4 Byte
SIO mode support		no
Compatible master port type		B

Input

Number/Type		10 digital inputs (X1 - X5) , 2-, 3-, 4-wire PNP, DC , Type 3 according to IEC 61131-2
Sensor supply		Depending on the IO-Link master, max. 500 mA per module

Output

Number/Type		6 digital outputs (X6 - X8) , 2-, 3-wire connection
Output current		Depending on the IO-Link master, max. 500 mA per channel

Directive conformity

Electromagnetic compatibility		
Directive 2014/30/EU		EN 61000-6-2:2005, EN 61000-6-4:2007+A1:2011

Standard conformity

Degree of protection		EN 60529:2000
Fieldbus standard		Type 1 according to IEC 61131-2
Emitted interference		EN 61000-6-2:2005
Noise immunity		EN 61000-6-4:2007+A1:2011
Shock resistance		EN 61131-2:2004

Ambient conditions

Ambient temperature		-20 ... 70 °C (-4 ... 158 °F)
Storage temperature		-40 ... 70 °C (-40 ... 158 °F)
Relative humidity		max. 95 %
Altitude		0 ... 2000 m
Shock and impact resistance		50 g, 11 ms, all axes
Vibration resistance		15 g / 5 ... 500 Hz
Pollution degree		3

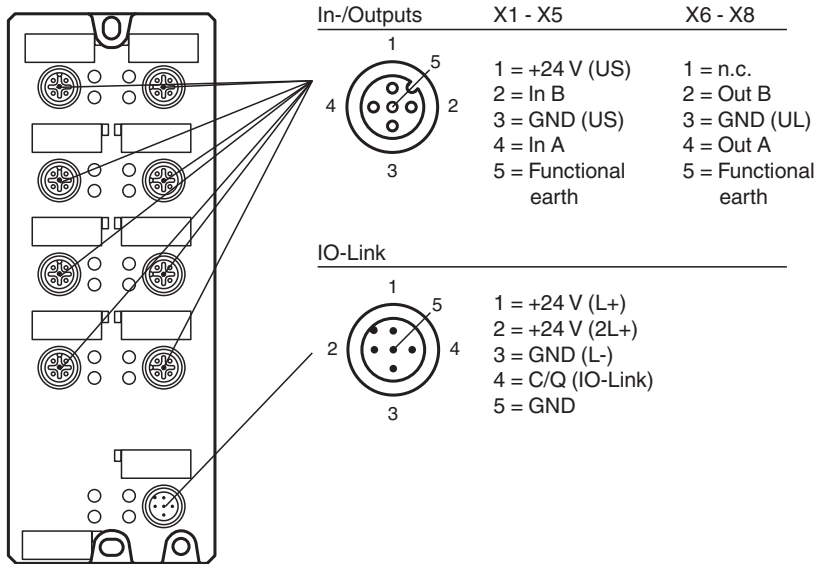
Mechanical specifications

Degree of protection		IP65 / IP67 / IP69K
Connection		Power supply/IO-Link M12, A-coded Inputs/Outputs M12, A-coded
Material		
Contacts		CuSn, gold-plated CuNi, gold-plated
Housing		Diecast zinc
Plastic parts		PA
Seal		FKM
Mass		400 g
Dimensions		
Height		200 mm
Width		59.6 mm

Technical Data

Length	21 mm
Construction type	Field housing

Connection



Assembly

