



I/O hub

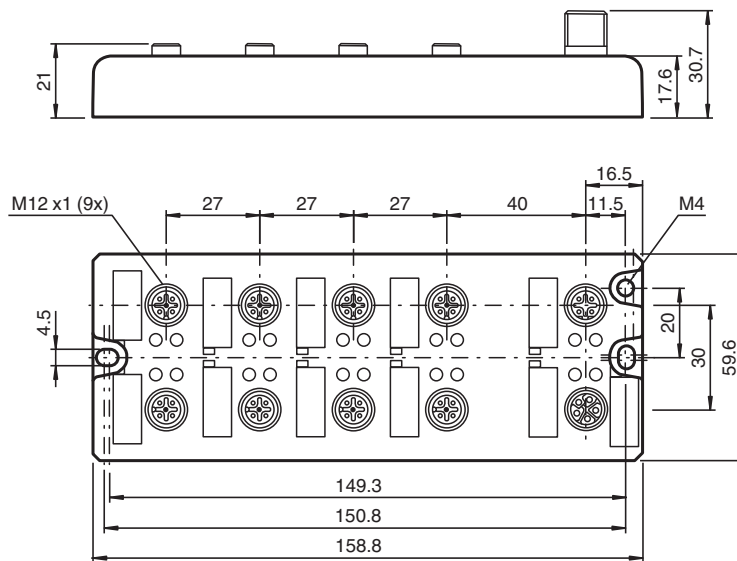
ICA-16DIO-G60AL-IO

- Sturdy metallic housing
- IO-link interface for service and process data
- 16 digital inputs/outputs can be configured
- 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 16 digital inputs/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

Release date: 2020-07-07 Date of issue: 2020-07-07 Filename: 70101647_eng.pdf

Technical Data

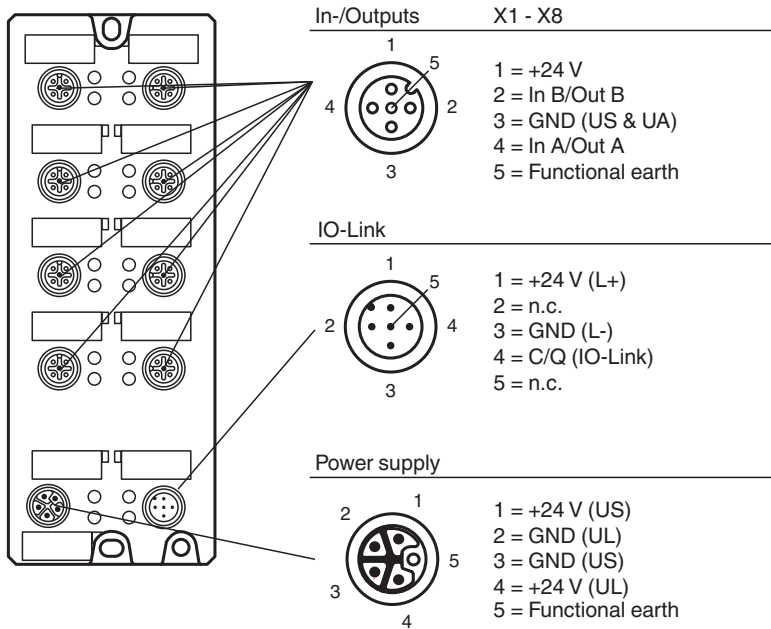
LED B		White: status indicator channel B Red: peripheral error
LED U _S		Green: system/sensor supply voltage OK Red: system/sensor supply voltage < 18 V Flashing red: sensor supply voltage overload
Electrical specifications		
Rated operating voltage	U _e	18 ... 30 V
Nominal voltage		24 V DC
Nominal current		16 A
Current consumption		typ. 80 mA
Current loading capacity		max. 16 A per module (for UL applications, max. 9 A)
Interface		
Interface type		IO-Link
IO-Link Revision		1.1
Device profile		Identification and Diagnosis
Device ID		0x0F0203 (983555)
Transfer rate		COM 3 (230.4 kBaud)
Min. cycle time		2 ms
Process data width		Input 4 Byte Output 4 Byte
SIO mode support		no
Compatible master port type		A
Inputs/Outputs		
Number/Type		16 digital inputs/outputs, configurable Inputs: 2-, 3-, 4-wire PNP, DC, supply from U _S Outputs: 2-wire PNP, DC, supply from U _L No galvanic isolation between U _S and U _L short-circuit protected
Sensor supply		max. 500 mA Per port (X1 - X8)
Output rated operating current	I _e	max. 2 A per channel (X1 - X8) / 4 A Per port max. 9 A per module
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 M12, L-coded IO-Link M12, A-coded Inputs/Outputs M12, A-coded
Material		
Contacts		CuSn, gold-plated CuNi, gold-plated
Housing		Diecast zinc

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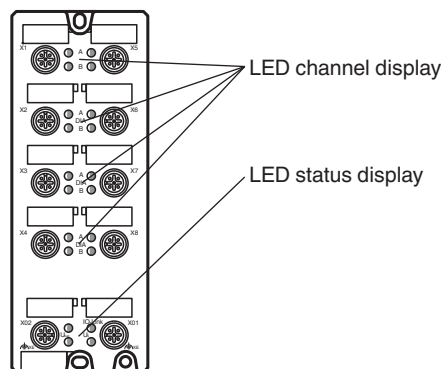
Technical Data

Plastic parts	PA
Seal	FKM
Mass	400 g
Construction type	Field housing

Connection



Assembly



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Accessories**MH V1-SCREWDRIVER**

torque screwdriver (0.6 Nm)

**MH V1-BIT M12**

plug-in cap M12