



Model number

ICA-16DIO-G60AL-IO

I/O hub with IO-Link interface for 16 digital inputs/outputs

Features

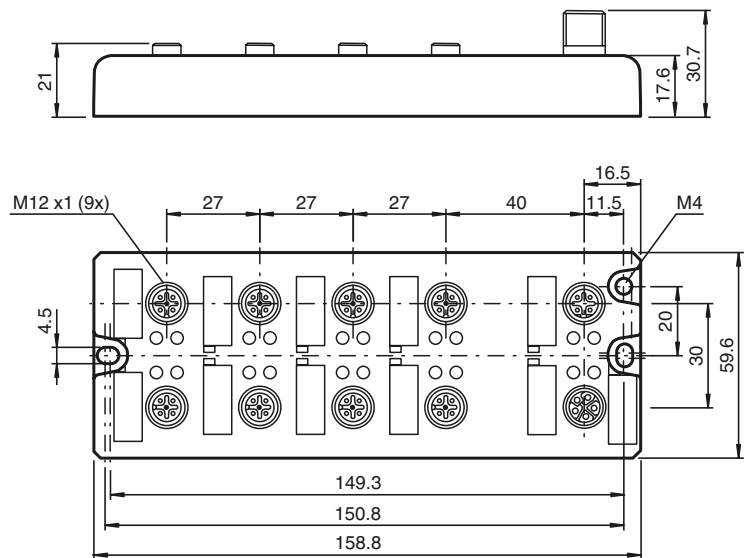
- Sturdy metallic housing
- IO-link interface for service and process data
- 16 digital inputs/outputs can be configured
- Logic level can be configured per port
- Filter time can be configured per port
- Pulse extension can be configured per port

Accessories

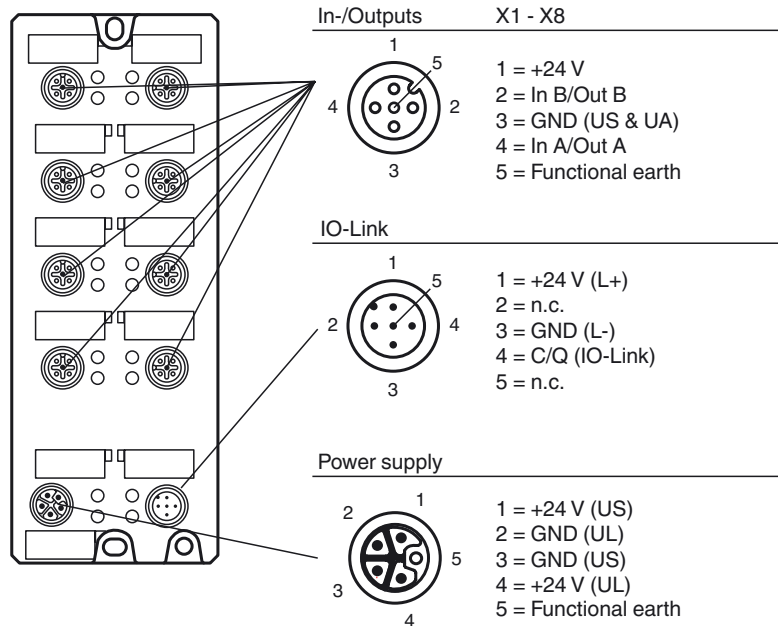
MH V1-SCREWDRIVER
torque screwdriver (0.6 Nm)

MH V1-BIT M12
plug-in cap M12

Dimensions

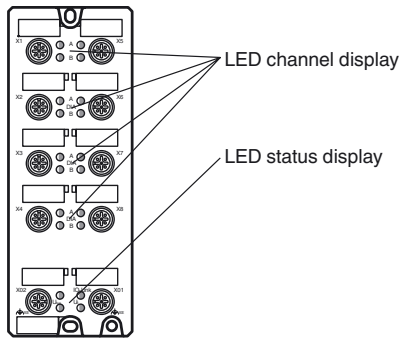


Electrical connection



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Indicating / Operating means



Technical data

General specifications

UL File Number	E223772
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Functional safety related parameters

MTTF _d	2111 a
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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

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
Device profile	Identification and Diagnosis
Transfer rate	COM 3 (230.4 kBaud)
IO-Link Revision	1.1
Min. cycle time	2 ms
Process data width	Input 4 Byte Output 4 Byte
SIO mode support	no
Device ID	0x0F0203 (983555)
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
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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
Construction type	Field housing

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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