



IO-Link master

ICE2-8IOL-G65L-V1D

- Web-based configuration of module and IO-Link devices
- Integrated IODD storage for more than 100 IODDs
- Downloadable module configuration
- M12 L-coded power connector
- EtherNet/IP, Modbus/TCP and OPC UA support

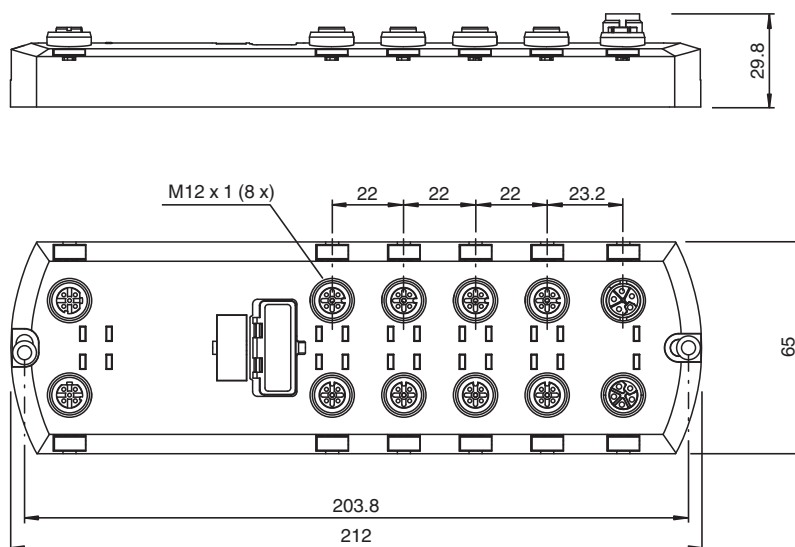
EtherNet/IP IO-Link master with 8 inputs/outputs



Function

The module is an EtherNet/IP fieldbus module with 8 type A IO-Link master ports according to IO-Link standard V1.1. The fieldbus module serves as an interface between the controller of an EtherNet/IP fieldbus system and IO-Link devices in the field level. The integrated web server and IODD interpreter enabling complete configuration of the fieldbus module and attached IO-Link devices without the need for special software tools. Information regarding the status of the module is also displayed and network parameters such as the IP address and subnet mask can be configured. The module is capable of storing all configuration enabling stand-alone usage without a higher-level PLC. MultiLink simultaneously provides data access via different communication protocols like EtherNet/IP, Modbus/TCP and OPC UA to multiple controllers. An L-coded M12 connector plug used for supplying power enables a current rating of up to 2 x 16 A. The inputs and outputs are equipped with A-coded M12 connector plugs. Connection to the fieldbus is achieved using a D-coded M12 connector plug. Status information for each channel is displayed via LEDs as a diagnostic function.

Dimensions



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

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PEPPERL+FUCHS

Technical Data

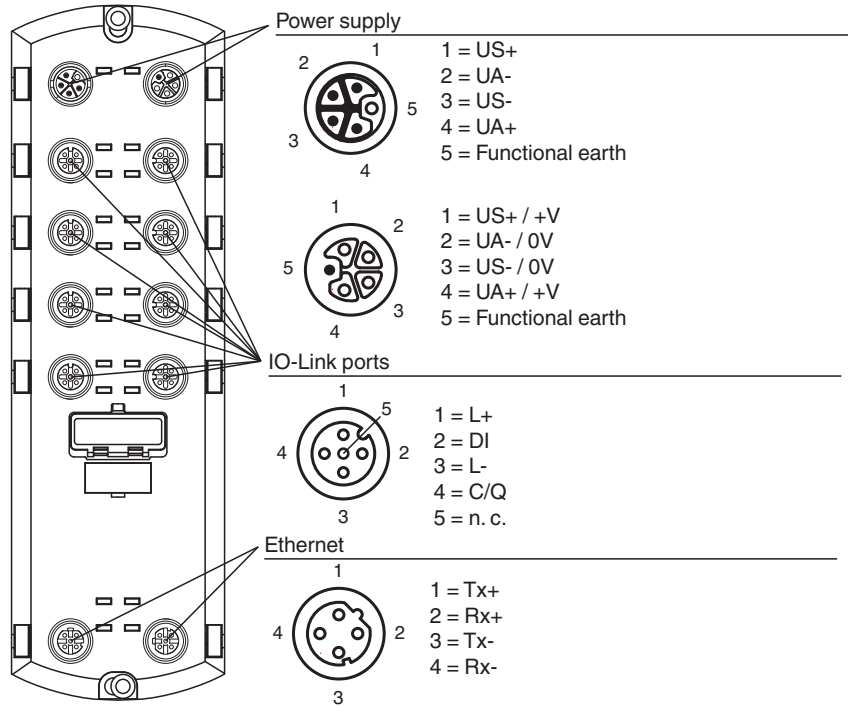
General specifications			
UL File Number		E360395	
Indicators/operating means			
LED indication		see manual	
Rotary switch			Setting the IP address
Electrical specifications			
Rated operating voltage		U _e	20 ... 30 V DC
Nominal voltage			24 V DC
Current consumption			typ. 120 mA
Current loading capacity			Max. 2 x 16 A per module (Loop-through current via L-coded power supply) Total current: max. 6.7 A per module
Galvanic isolation			between US and UA
Interface 1			
Interface type			Industrial Ethernet
Physical			M12, D-coded
Protocol			EtherNet/IP + Modbus TCP + OPC UA + MQTT Modbus max PDI: 33 times / sec OPC UA max PDI update rate: 20 times / sec MQTT max PDI update rate: 10 times / sec
Transfer rate		10/100 Mbps	
Inputs/Outputs			
Number/Type		8 x IO-Link Class A (X1 – X8) Configurable as: Max. 8 IO-Link and 8 digital inputs Max. 16 digital inputs Max. 8 digital inputs and 8 digital outputs short-circuit protected	
Sensor supply			Port 1: max. 1.6 A Via L+ (pin 1) Port 3: max. 1 A via L+ (pin 1) Ports 2 and 4 – 8: max. 500 mA per port via L+ (pin 1)
Output current		I _e	max. 200 mA Per port via C/Q (pin 4)
Directive conformity			
Electromagnetic compatibility			
Directive 2014/30/EU			EN 61000-6-2 , EN 61000-6-4
Standard conformity			
Degree of protection			EN 60529
Fieldbus standard			Type 1 according to IEC 61131-2, EN 61131-9
Electrical safety			CSA C22.2 No. 61010-1-12 UL 61010-1, IEC 61010-2-201
Emitted interference			EN 61000-6-4, FCC Part 15 Subpart B, ICES-001, AS/NZS CISPR 11
Noise immunity			EN 61000-6-2 , EN 61131-2 , EN 61131-9
Shock resistance			EN 60068-2-27
Ambient conditions			
Ambient temperature			-25 ... 70 °C (-13 ... 158 °F)
Storage temperature			-40 ... 85 °C (-40 ... 185 °F)
Relative humidity			max. 95 %
Altitude			0 ... 2000 m
Shock and impact resistance			15g, 11ms, half-sine
Mechanical specifications			
Degree of protection			IP67
Connection			Power Supply M12, L-coded Fieldbus M12, D-coded Inputs/Outputs M12, A-coded
Material			
Housing			Molded Polyamide 66
Mass			454 g
Tightening torque, fastening screws			8 Nm
Tightening torque, cable gland			0.6 Nm

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Dimensions		
Height		212 mm
Width		65 mm
Length		29.8 mm
Construction type		Field housing

Connection



Assembly

