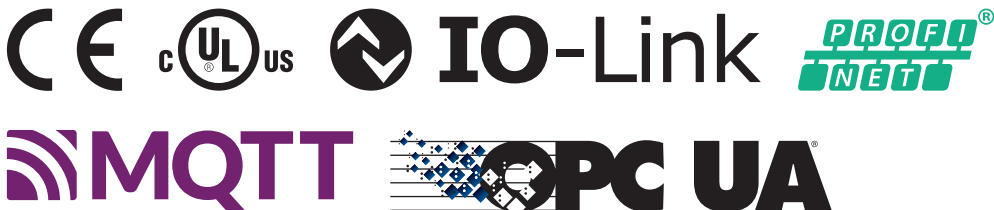




IO-Link master ICE3-8IOL-K45S-RJ45

- Web-based configuration of module and IO-Link devices
- Integrated IODD storage for more than 100 IODDs
- Downloadable module configuration
- Screw terminal power connector
- PROFINET IO, Modbus/TCP and OPC UA Support

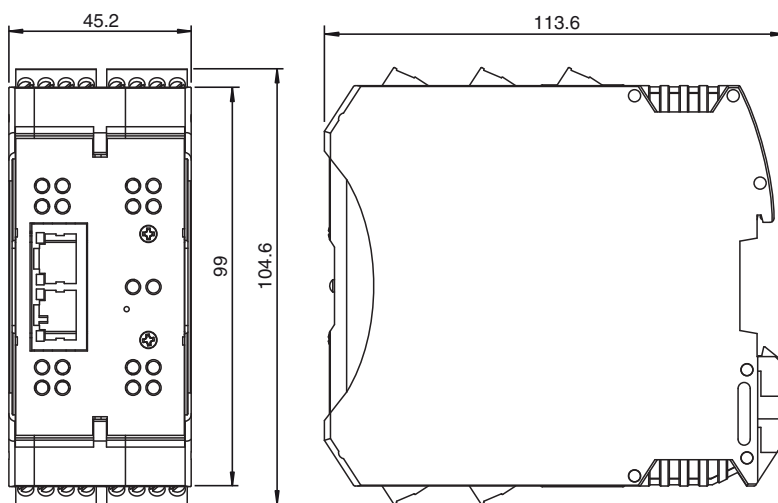
PROFINET IO IO-Link master with 8 inputs/outputs, DIN rail, screw terminal



Function

The module is a PROFINET IO 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 a PROFINET IO 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 PROFINET IO, Modbus/TCP and OPC UA to multiple controllers. A screw terminal connector is used for supplying power that enables a current rating of up to 3.7 A. The inputs and outputs are equipped with screw terminal connectors. Connection to the fieldbus is achieved using a standard RJ45 Ethernet connector. 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

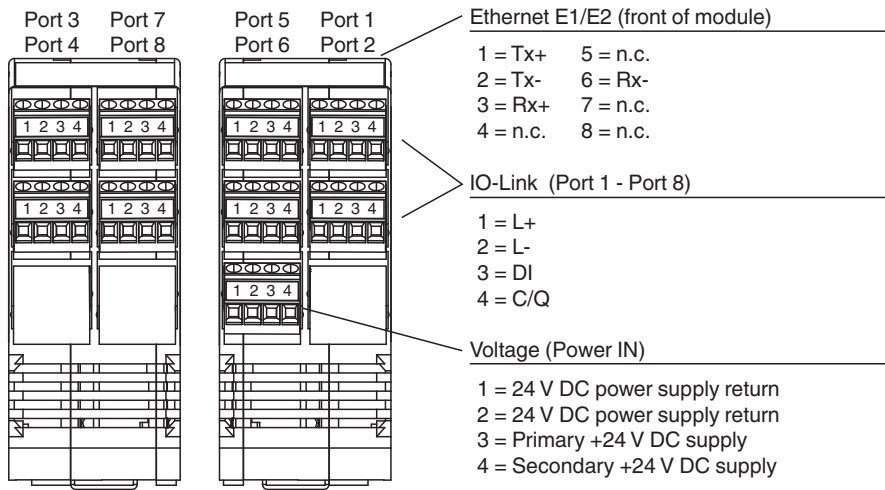
General specifications			
UL File Number		E360395	
Indicators/operating means			
LED indication		see manual	
Electrical specifications			
Rated operating voltage	U _e	18 ... 30 V DC	
General information		Redundant power	
Nominal voltage		24 V DC	
Nominal current		3.7 A	
Current consumption		typ. 155 mA	
Current loading capacity		Total current 3.2 A per module	
Interface 1			
Interface type		Industrial Ethernet	
Physical		RJ45	
Protocol		PROFINET IO with media redundancy protocol (MRP) + 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		max. 200 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 / CSA C22.2 No. 61010-1-201 UL 61010-1 / UL 61010-1-201	
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		-40 ... 70 °C (-40 ... 158 °F)	
Storage temperature		-40 ... 70 °C (-40 ... 158 °F)	
Relative humidity		max. 95 %	
Altitude		0 ... 2000 m	
Shock and impact resistance		15g, 11ms, half-sine	
Vibration resistance		5-8Hz, 3.5mm displacement, 8.4-150Hz, 1.0g acceleration	
Mechanical specifications			
Degree of protection		IP20	
Connection		Power Supply screw terminal Fieldbus RJ45 Inputs/Outputs screw terminal	
Material			
Housing		Polyamide, UL94V-0	
Mass		272 g	
Dimensions			
Height		104.6 mm	

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Width	45.2 mm
Length	113.6 mm
Construction type	Cabinet module
Mounting	DIN mounting rail

Connection



Assembly

