



**Model number**

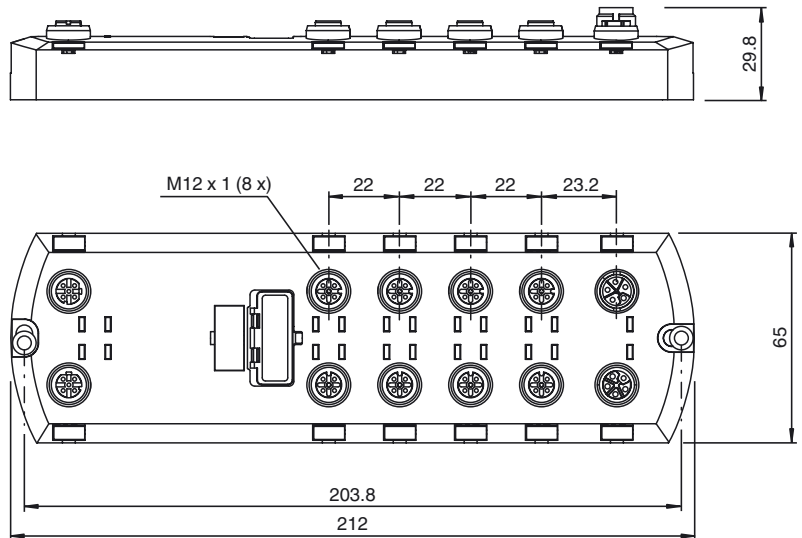
**ICE2-8IOL-G65L-V1D**

EtherNet/IP IO-Link master with 8 in-puts/outputs

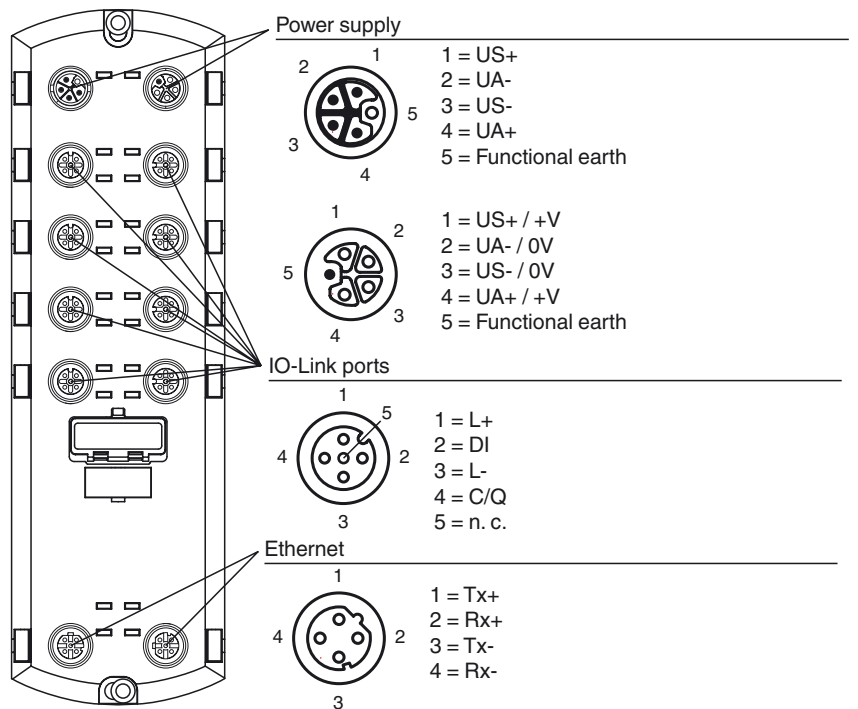
**Features**

- 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

**Dimensions**



**Electrical connection**



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

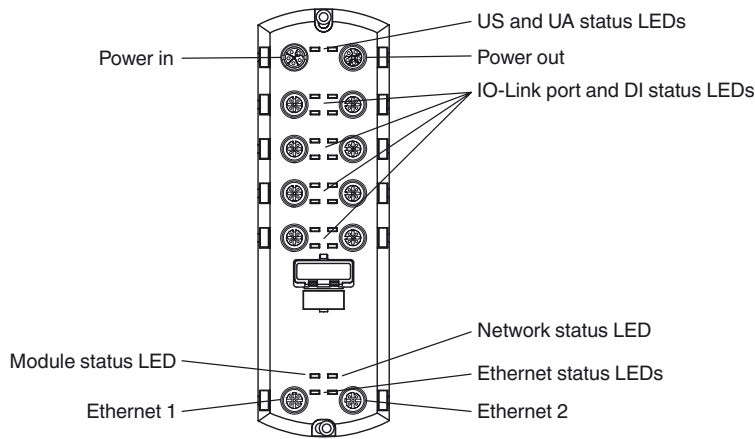
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Indicating / Operating means



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.

Technical data

General specifications

UL File Number	E360395
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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
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 outputs 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 rated operating 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 ... 60 °C (-13 ... 140 °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

**Accessories****V15L-G-5M-PUR-U**

Single-ended female cordset, M12, L-coded, 5-pin, PUR cable

**V15L-G-2M-PUR-U-V15L-G**

Cordset, M12 to M12, L-coded, 5-pin, PUR cable

**V1SD-G-2M-PUR-ABG-V45-G**

Connection cable, M12 to RJ-45, PUR cable 4-pin, CAT5e

**V1SD-G-2M-PUR-ABG-V1SD-G**

Ethernet bus cable, M12 to M12, PUR cable 4-pin, CAT5e

**V1SD-G-ABG-PG9**

Cable connector, M12, 4-pin, D-coded, shielded, non pre-wired

**V1-G-BK1M-PUR-A-T-V1-G**

Y connecting cable, M12 to 2xM12, 4-pin, PUR cable

**VAZ-V1-B3**

Blind plug for M12 sockets

**V1S-T-V1**

Y-splitter, M12 connector on M12 socket/socket

**ICA-16DI-G60A-IO**

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

**V15L-G-BK**

Single-ended female cordset, M12, L-coded, field attachable

**MH V1-SCREWDRIVER**

torque screwdriver (0.6 Nm)

**MH V1-BIT M12**

plug-in cap M12

**VAZ-CLAMP-40MM-IO**

Signal tower connection element IO-Link with cover

Mass	454 g
Tightening torque, fastening screws	8 Nm
Tightening torque, cable gland	≤ 0.5 Nm