

MVK-MPNIO DIO12 DIO4/IOL4 M12L 5P

ProfiNet, Compact module, metal

Digital inputs/outputs

DIO12 DIO4/IOL4 (IRT)

Ethernet 10/100 Mbit/s; M12, D-coded

M12 Power, 5-pole, L-coded

M12, 5-pole, A-coded

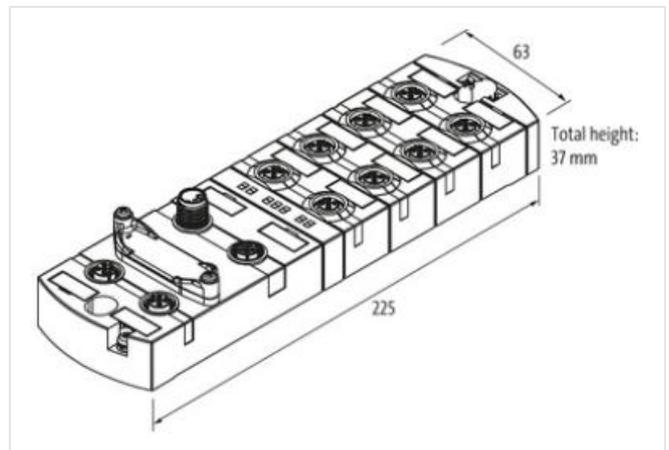
IO-Link Master V1.1.2

Connection cables are in the online shop under "Connection Technology".

Housing fully potted.

Link to Product**Illustration**

Product may differ from Image

**General data**

| | |
|-------------------|---|
| Mounting method | 2-hole screw mounting |
| Temperature range | -25...+60 °C (storage temperature -25...+70 °C) |
| Protection | IP67 |
| Dimensions HxWxD | 37x63x225 mm |

Output

| | |
|------------------------------|---|
| Lamp load | 10 W |
| Actuator supply UA | 24 V DC (EN 61131-2), max. 9 A |
| Switching current per output | max. 1.6 A (short-circuit and overload protected) |

Input

| | |
|------------------|--|
| Sensor supply US | 24 V DC (EN 61131-2), max. 200 mA (M12 female)/max. 1 A (IO-Link female), short-circuit and overload protected |
| Type | for 3-wire sensors or mechanical switches, PNP, IO-Link Devices |

IO-Link

| | |
|---------------------|---|
| Specification | IO-Link Master V1.1.2 |
| Port Class | Class B (not galvanically separated) |
| IO-Link | 4x Master |
| Transfer parameters | 32 Byte (In) 32 Byte (Out) per IO-Link port |

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2022-11-13

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Operating modes COM1; COM2; COM3 (automatic)

Parameterization

PIN 4 Input/Output (port X0...X7); IO-Link Master (port X4...X7)

PIN 2 Input/Output (port X0...X7); U-Actuator IO-Link Class B (port X4...X7)

Connections

Fieldbus Ethernet 10/100 Mbit/s; M12, D-coded

Sensor-system/actuator supply M12 Power, 5-pole, L-coded, 2× max. 16 A

I/O ports M12, 5-pole, A-coded

PROFINET

Specification V2.3, Conformance Class C (IRT)

Addressing DCP

FSU (Fast-Start-Up) max. 500 ms

PROFINET Netload Class III

MRP yes

Shared Device yes, for 2 controls

Product article number of manufacturer 55182

Diagnostic

Communication status via LED

Diagnostic via LED per module and channel

Diagnostic via BUS per module and channel

Actuator warning per channel via LED and BUS

Monitoring - under voltage yes

Monitoring - no voltage yes

Short-circuit and overload yes

Cable break per port