

**MVK-ME DIO12 DIO4/IOL4 4P**

MVK EthernetIP compact module, metal housing,

Digital inputs/outputs

DIO12 DIO4 IOL4

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

7/8", 4-pole, 2× max. 9 A

M12, 5-pole, A-coded

DLR (Device Level Ring)

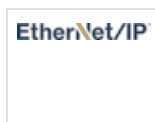
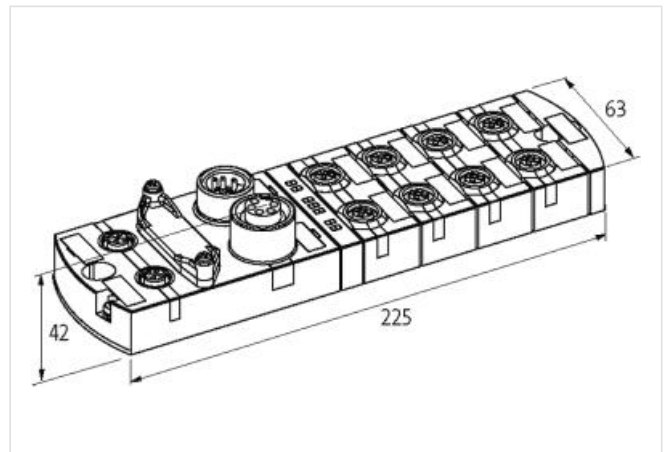
IO-Link Master V1.1.2

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...+55 °C (storage temperature -40...+85 °C)
Protection	IP67
Dimensions H×W×D	42×63×225 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), 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	4× Master

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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Transfer parameters	32 Byte (In) 32 Byte (Out) per IO-Link port
Operating modes	COM1; COM2; COM3 (automatic)
<b>Parameterization</b>	
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)
<b>Connections</b>	
Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded
Sensor-system/actuator supply	7/8", 4-pole, 2× max. 9 A
I/O ports	M12, 5-pole, A-coded
<b>EtherNet/IP</b>	
Multiple connections	yes
QC (Quick Connect)	max. 360 ms
CIP Sync	yes
Composite Test Revision	CT14
Addressing	DHCP, BOOTP or IP address by DIP switch
DLR (Device Level Ring)	yes
Product article number of manufacturer	55544
<b>Diagnostic</b>	
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 IO-Link Master