

MVK Pro MPNIO DIO8 IOL8 M12L 5P

PROFINET, compact module, metal

Digital inputs/outputs

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

IO-Link Master V1.1.3

M12 Power, 5-pole, L-coded

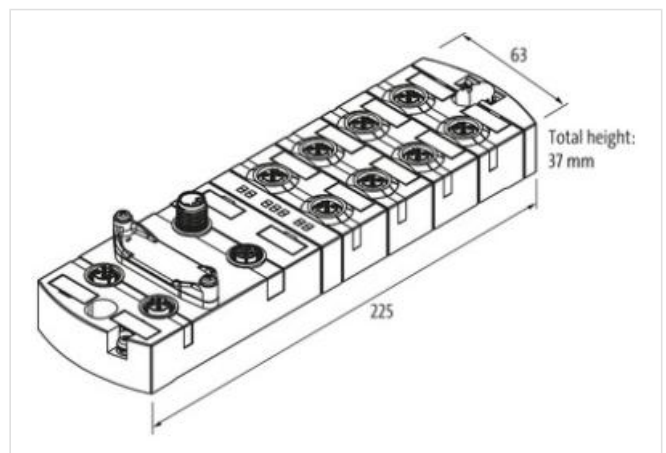
M12, 5-pole, A-coded

Housing fully potted.

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

[Link to Product](#)**Illustration**

Product may differ from Image

**General data**

Mounting method	2-hole screw mounting, compatible with I/O modules of MVK model range
Temperature range	-25...+70 °C (storage temperature -40...+80 °C)
Protection	IP67
Dimensions H×W×D	42×63×225 mm

Output

Actuator supply UA	24 V DC (EN 61131-2), max. 10 A Port X0...X7
Switching current per output	max. 2 A per pin (short-circuit and overload-protected), max. 4 A per port

Input

Sensor supply US	24 V DC (EN 61131-2), max. 2 A load per port, short-circuit and overload protected, total max. 10 A port X0...X7
Type	for 3-wire sensors or mechanical switches, PNP, IO-Link Devices

IIoT Functions

IIoT Interfaces	yes (OPC UA, MQTT, JSON REST API)
Web interface	yes
Monitoring - temperature	yes
Monitoring - energy	yes (current and voltage)

IO-Link

Specification	IO-Link Master V1.1.3
Port Class	Class A + B (not galvanically separated)
IO-Link	8× Master
Transfer parameters	32 Byte (In) 32 Byte (Out) per IO-Link port
Operating modes	COM1; COM2; COM3 (automatic)

Parameterization	
PIN 4	Input/output (port X0...X7); IO-Link master (port X0...X7)
PIN 2	Input/Output (port X0...X7); U-Actuator IO-Link Class B (port X0...X7)
Connections	
Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded
Sensor-system/actuator supply	M12 Power, 5-pole, L-coded, 2x max. 16 A
I/O ports	M12, 5-pole, A-coded
PROFINET	
Specification	V2.3, Conformance Class C (IRT)
Addressing	DCP
PROFINET Netload Class	III
Shared Device	yes, for 2 controls
Product article number of manufacturer	54610
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