

MVK-MPNIO DIO16 M12L 4P

ProfiNet, Compact module, metal

Digital inputs/outputs

DIO16 (IRT)

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

M12 Power, 4-pole, L-coded

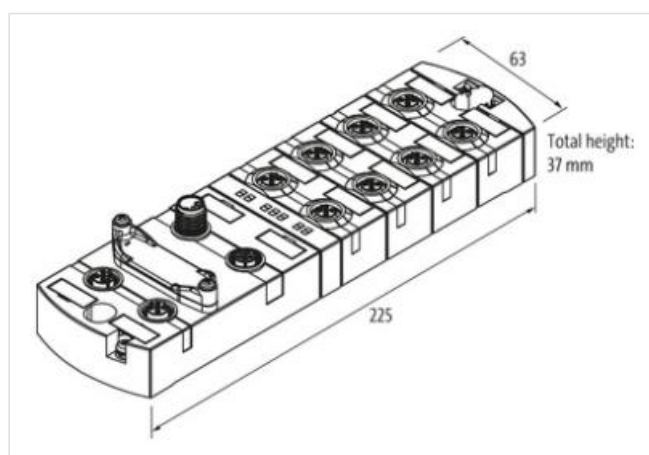
M12, 5-pole, A-coded

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), short-circuit and overload protected
Type	for 3-wire sensors or mechanical switches, PNP

Parameterization

PIN 4	Input/Output (port X0...X7)
PIN 2	Input/Output (port X0...X7)

Connections

Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded
Sensor-system/actuator supply	M12 Power, 4-pole, L-coded, 2x max. 16 A

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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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 55160

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