

MVK MPNIO DI6 DO6 IOL IRT MVK ProfiNet, metal, galvanic separation

PushPull RJ45, Energy via PushPull 5-pol.

Digital inputs/outputs

DI6 DO6 IOL2 (IRT)

Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector

Push Pull Power connector, max. 12 A

M12, 5-pole, A-coded

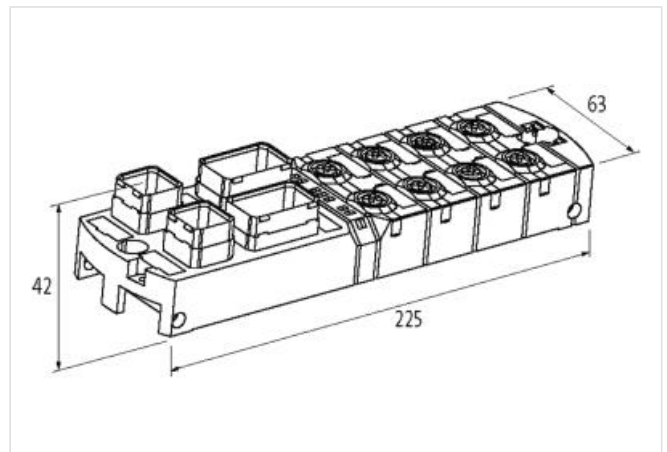
Galvanic isolation

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	0...+55 °C (storage temperature -20...+70 °C)
Protection	IP67
Dimensions HxWxD	42.7x63x225 mm

Output

Lamp load	10 W
Actuator supply UA	24 V DC (EN 61131-2), max. 12 A
Switching current per output	max. 2 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 (galvanically separated)
IO-Link	2x 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 (port X3...X5); Output (port X0...X2); IO-Link Master (port X6, X7)
PIN 2	Input (port X3...X5); Output (port X0...X2); U-Actuator IO-Link Class B (port X6, X7)

Connections

Fieldbus	Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector
Sensor-system/actuator supply	Push Pull Power connector, max. 12 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 55516

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