

MVK Pro MPNIO DIO8 IOL8 M12L 4P

PROFINET, compact module, metal

Digital inputs/outputs Ethernet 10/100 Mbit/s; M12, D-coded IO-Link Master V1.1 M12 Power, 4-pole, L-coded M12, 5-pole, A-coded Housing fully potted.

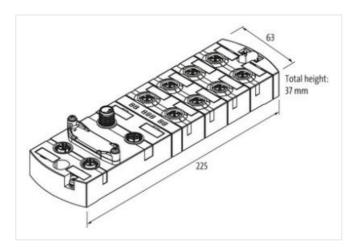
Connection cables are in the online shop under "Connection Technology".

mounting compatible with I/O modules of the MVK series

Link to Product

Illustration





Product may differ from Image







Commercial data		
ECLASS-6.0	27242604	
ECLASS-6.1	27242604	
ECLASS-7.0	27242604	
ECLASS-8.0	27242604	
ECLASS-9.0	27242604	
ECLASS-10.1	27242604	
ECLASS-11.1	27242604	
ECLASS-12.0	27242604	
ETIM-5.0	EC001597	
customs tariff number	85389099	
GTIN	4048879859530	
Packaging unit	1	
Electrical data Supply		
Norm operating voltage	EN 61131-2	
Operating voltage US DC	24 V	
Operating voltage UA DC	24 V	
Total current UA max.	16 A	

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-19



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Total current US max.	16 A
Electrical data Input	
Overload resistant	yes
Short-circuit protected	yes
Type input	PNP, for 3-wire sensors or mechanical switches, IO-Link Devices
Sensor current US per input max.	2 A
Current carrying capacity max.	10 A
Electrical data Output	
Actuator current UA per output max.	2 A
Overload resistant	yes
Short-circuit protected	yes
Output current per pin max.	2 A
Max. current output per port	4 A
Total current output max.	10 A
Industrial communication	
Supported protocol	PROFINET
Web interface	yes
Industrial communication Profinet	
Number of active connections (IO controller) max.	2
IRT (network communication)	yes
PROFINET Netload Class	
PROFINET addressing	DCP
PROFINET conformance class	С
PROFINET specification	V2.3
Shared device/input	yes
Industrial communication IO-Link	
Automatic baudrate detection	yes
IO-Link process data length output	32 Bytes
IO-Link process data length input	32 Bytes
IO-Link revision ID	V1.1
IO-Link type	8× Master
IO-Link transmission rate	COM1, COM2, COM3
Port Class	A, B
Industrial communication IIoT functions	
Number of sessions / clients OPC UA max.	5
JSON integration	REST-API, MQTT
OPC UA transport	UA TCP, UA Secure Conversation, UA Binary Encoding
Voltage monitoring	yes
Current Monitoring	yes
Publishing interval OPC UA min.	100 ms
Diagnostics	
Actuator warning	per channel via LED and BUS
Diagnostic via BUS	per module and channel
Diagnostic via LED	per module and channel
IO-Link events	No voltage, Undervoltage supply
Short circuit diagnosis	yes
LED display	
	Ethernet connection/data traffic
Cable break	per port
Temperature control	yes
Overload diagnosis	yes

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Degree of protection (EN IEC 60529) IP67 Mechanical data Mounting data Suitable for mounting type 2-hole server mounting Height 42 mm Word 63 mm Depth 225 mm Environmental characteristics Climate Vor. Coperating temperature max. 70 °C Storage surperature max. 80 °C Connection type 4 XO X7 Connection type 5 XD I Connection type 2 XD I Connection type 3 XD2 Connection type 4 XF I, XF2 Family construction form M12 Gender female Coding A No. of potes 5 FIN 1 24 V DC PIN 2 DV PIN 3 OV PIN 4 DI / DO / IO Link PIN 5 OV Family construction form M12 Gender Image: Construction form M12 Gender Image: Construction form M12 PIN	Device protection Electrical	
Suitable for mounting type		IP67
Suitable for mounting type		
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Meth 65 mm Depth 226 mm Environmental characteristics Climatic Operating temperature min. 40 °C Opperating temperature max. 70 °C Storage temperature max. 80 °C Connection type 4 XPX** Connection type 5 XD1 Connection type 6 XD2 Connection type 7 XD2 Connection type 8 XD2 Connection type 4 XF1, XF2 Family construction form M12 Sender Installe Color contact cardier gray Color contact cardier gray Color contact cardier gray Color contact cardier DI / DO PIN 1 24 V DC PIN 2 DI / DO PIN 3 O V PIN 4 DI / DO / PIU / PI		
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Storage temperature max. 80 °C		70 °C
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Product-PDF for Article 54600



PIN 3	TD -
PIN 4	RD -