MURR ELEKTRONIK
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MVK Pro MPNIO DIO8 IOL8 M12L 4P

PROFINET, compact module, metal

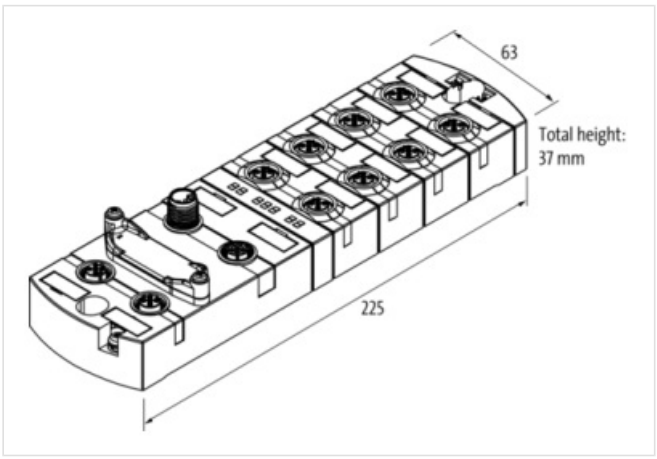
Art.No.: 54600
Weight: 0.920 kg
Country of origin: DE
Model designation: MVK Pro MPNIO DIO8 IOL8 M12L 4P

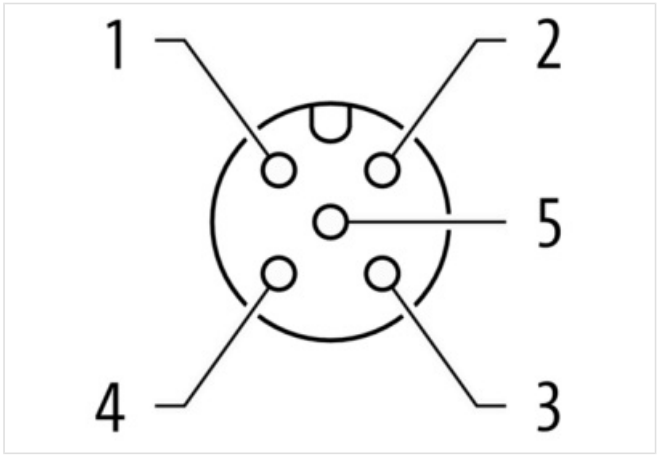
Digital inputs/outputs
Ethernet 10/100 Mbit/s; M12, D-coded
IO-Link Master V1.1
M12 Power, 4-pole, L-coded
M12, 5-pole, A-coded
Housing fully potted.
Connection cables are in the online shop under "Connection Technology".
mounting compatible with I/O modules of the MVK series

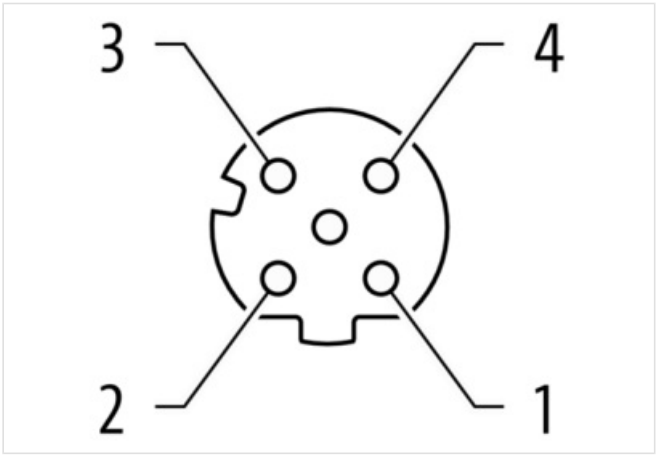
Link to Product

Illustration









Product may differ from Image

Commercial data

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URL Webshop	https://shop.murrelektronik.com/54600
GTIN	4048879859530
Customs tariff number	85389099
ECLASS-6.0	27242604
ECLASS-6.1	27242604
ECLASS-7.0	27242604
ECLASS-7.1	27242604
ECLASS-8.0	27242604
ECLASS-8.1	27242604
ECLASS-9.0	27242604
ECLASS-9.1	27242604
ECLASS-10.0.1	27242604
ECLASS-10.1	27242604
ECLASS-11.0	27242604
ECLASS-11.1	27242604
ECLASS-12.0	27242604
ECLASS-13.0	27242604
ECLASS-14.0	27242604
ETIM-5.0	EC001597
ETIM-6.0	EC001597
ETIM-7.0	EC001597
ETIM-8.0	EC001597
customs tariff number	85389099
EAN	4048879859530
Packaging unit	1
Electrical data | Supply	
Norm operating voltage	IEC/EN 61131-2
Operating voltage US DC	24 V
Total current US max.	16 A
Operating voltage UA DC	24 V
Total current UA max.	16 A
Electrical data | Input	
Sensor current US per input max.	2 A
Current carrying capacity max.	10 A
Short-circuit protected	Yes
Overload resistant	Yes
Type input	for 3-wire sensors or mechanical switches, IO-Link Devices, PNP
Electrical data | Output	
Output current per pin max.	2 A
Max. current output per port	4 A
Actuator current UA per output max.	2 A
Total current outputs max.	10 A
Overload resistant	Yes
Short-circuit protected	Yes
Industrial Communication	
Web interface	Yes
Industrial communication | Bus data	
Supported protocol	Profinet
Industrial communication | Profinet	
Conformance Class	C
addressing	DCP

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Netload Class	III
Specification	V2.3
IRT-network communication	Yes
Shared device/input	Yes
Number of active connections (IO controller) max.	2
Industrial communication | IO-Link	
type	8× Master
Port Class	A, B
revision ID	V1.1
transmission rate	COM1, COM2, COM3
process data length input	32 bytes
process data length output	32 bytes
Automatic baudrate detection	Yes
Industrial communication | IIoT functions	
JSON integration	REST-API, MQTT
OPC UA transport	UA TCP, UA Binary Encoding, UA Secure Conversation
Publishing interval OPC UA min.	100 ms
Number of sessions / clients OPC UA max.	5
Voltage monitoring	Yes
Current Monitoring	Yes
Diagnostics	
Actuator warning	per channel via LED and BUS
Short circuit diagnosis	Yes
Overload diagnosis	Yes
Temperature control	Yes
Cable break	per port
Diagnostic via BUS	per module and channel
Diagnostic via LED	per module and channel
LED display	Ethernet connection/data traffic
IO-Link events	Undervoltage supply, No voltage
Device protection | Electrical	
Degree of protection (EN IEC 60529)	IP67
Mechanical data | Mounting data	
Height	42 mm
Width	63 mm
Depth	225 mm
Suitable for mounting type	2-hole screw mounting
Environmental characteristics | Climatic	
Ambient temperature (operation)	-40 °C … 70 °C
Ambient temperature (storage, transport)	-40 °C … 85 °C
Connection type 4	
Connection type 1	X0-X7
Connection type 2	XD1
Connection type 3	XD2
Connection type 4	XF1, XF2
Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	gray
PIN 1	24 V DC

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PIN 2	DI / DO
PIN 3	0 V
PIN 4	DI / DO / IO-Link
PIN 5	0 V
Family construction form	M12
No. of poles	5
Coding	L
Gender	male
Color contact carrier	black
PIN 1	24 V DC (US)
PIN 2	0 V
PIN 3	0 V
PIN 4	24 V DC (UA)
PIN 5	n.c.
Family construction form	M12
No. of poles	4
Coding	L
Gender	female
Color contact carrier	black
PIN 1	24 V DC (US)
PIN 2	0 V
PIN 3	0 V
PIN 4	24 V DC (UA)
Family construction form	M12
No. of poles	4
Coding	D
Gender	female
Color contact carrier	green
PIN 1	TD +
PIN 2	RD +
PIN 3	TD -
PIN 4	RD -

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