

MVK-ME DIO12 DIO4/IOL4 4P

MVK EthernetIP compact module, metal housing,

Art.No.: 55544

Weight: 0.965

Country of origin: DE

Model designation: MVK-ME DIO12 DIO4/IOL4 4P

Digital inputs/outputs

DIO12 DIO4 IOL4

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

7/8", 4-pole, 2× max. 9 A

M12, 5-pole, A-coded

DLR (Device Level Ring)

IO-Link Master V1.1.2

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

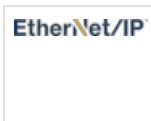
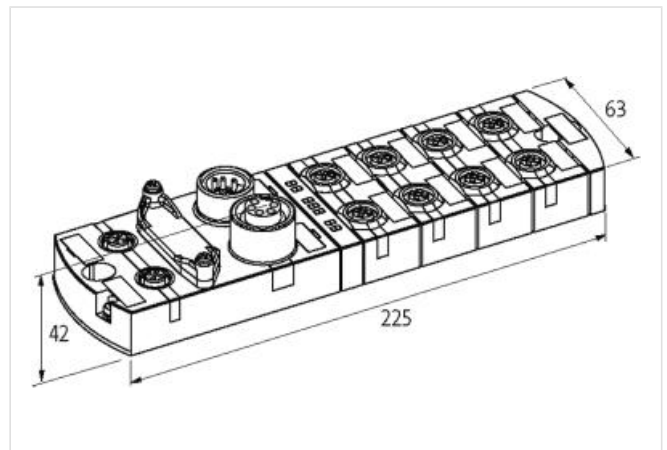
Housing fully potted.

[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	EC001599
customs tariff number	85389099
customs tariff number	85389099
EAN	4048879699938
EAN	4048879699938

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: 2025-06-06

Murrelektronik GmbH | Grabenstraße 29 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com

Packaging unit	1
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.	9 A
Total current US max.	9 A
Electrical data Input	
Type input	PNP, for 3-wire sensors or mechanical switches, IO-Link Devices
Overload resistant	yes
Short-circuit protected	yes
Sensor current US per input max.	0,2 A
Electrical data Output	
Overload resistant	yes
Short-circuit protected	yes
Output current per pin max.	1,6 A
Lamp load	10 W
Industrial communication Ethernet/IP	
CIP Sync	yes
Composite Test Revision	CT14
DLR (Device Level Ring)	yes
EtherNet/IP addressing	BOOTP, DHCP, DIP switch
Multiple connections	yes
Supports quick connection (QC) max.	360 ms
Industrial communication IO-Link	
IO-Link type	4x Master
Port Class	B
IO-Link revision ID	V1.1.2
IO-Link transmission rate	COM1, COM2, COM3
IO-Link process data length input	32 Bytes
IO-Link process data length output	32 Bytes
Automatic baudrate detection	yes
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 IO-Link Master
Overload diagnosis	yes
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP67
Mechanical data Mounting data	
Suitable for mounting type	2-hole screw mounting
Height	42 mm
Width	63 mm
Depth	225 mm
Environmental characteristics Climatic	
Operating temperature min.	-25 °C

Operating temperature max.	55 °C
Storage temperature min.	-40 °C
Storage temperature max.	85 °C
Connection type 5	
Connection type 1	X0-X3
Connection type 2	X4-X7
Connection type 3	XD1
Connection type 4	XD2
Connection type 5	XF2
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	24 V DC
PIN 2	DI / DO
PIN 3	0 V
PIN 4	DI / DO
PIN 5	PE
Family construction form	M12
Gender	female
Color contact carrier	gray
Coding	A
No. of poles	5
PIN 1	24 V DC
PIN 2	DI / DO
PIN 3	0 V
PIN 4	DI / DO / IO-Link
PIN 5	0 V
Family construction form	7/8"
Gender	male
Color contact carrier	black
No. of poles	4
PIN 1	24 V DC (UA)
PIN 2	24 V DC (US)
PIN 3	0 V
PIN 4	0 V
Family construction form	7/8"
Gender	female
Color contact carrier	black
No. of poles	4
PIN 1	24 V DC (UA)
PIN 2	24 V DC (US)
PIN 3	0 V
PIN 4	0 V
Mounting method	inserted, screwed
Tightening torque	0,6 Nm
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	D
No. of poles	4
PIN 1	TD +

PIN 2	RD +
PIN 3	TD -
PIN 4	RD -