

MVK MPNIO DO16 M12L 4P galvanic separation

MVK ProfiNet, metal

Art.No.: 55165

Weight: 0.925

Country of origin: DE

Model designation: MVK MPNIO DO16 M12L 4P

Digital outputs

DO16 (IRT)

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

M12 power, 4-pin, L-coded, 2× max. 12 A

M12, 5-pole, A-coded

FSU (Fast-Start-Up)

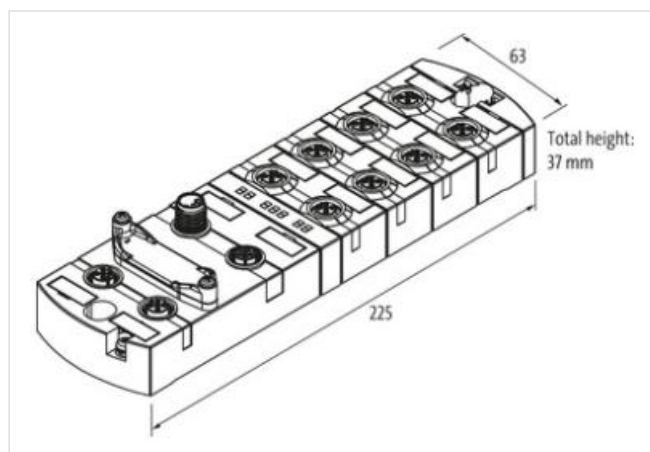
Galvanic isolation

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-6.1	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
customs tariff number	85389099
GTIN	4065909041192
Packaging unit	1

Electrical data | Supply

Norm operating voltage	EN 61131-2
Operating voltage UA DC	24 V

Total current UA max.	12 A
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Total current US max.	12 A
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Electrical data | Output

Overload resistant	yes
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Short-circuit protected	yes
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Output current per pin max.	2 A
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Industrial communication

Supported protocol	PROFINET
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Industrial communication | Profinet

Number of active connections (IO controller) max.	2
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FSU (Fast-Start-Up)	yes
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Fast start up time max.	0,5 s
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IRT (network communication)	yes
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MRP client	yes
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PROFINET Netload Class	III
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PROFINET addressing	DCP
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PROFINET conformance class	C
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PROFINET specification	V2.3
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Shared device/input	yes
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Diagnostics

Actuator warning	per channel via LED and BUS
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Diagnostic	No voltage, Under voltage
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Diagnostic via BUS	per module and channel
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Diagnostic via LED	per module and channel
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Short circuit diagnosis	yes
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LED display	Ethernet connection/data traffic
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Cable break	per port
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Overload diagnosis	yes
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67
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Mechanical data | Mounting data

Suitable for mounting type	2-hole screw mounting
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Height	42 mm
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Width	63 mm
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Depth	225 mm
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Environmental characteristics | Climatic

Operating temperature min.	-25 °C
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Operating temperature max.	55 °C
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Storage temperature min.	-25 °C
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Storage temperature max.	70 °C
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Connection type 4

Connection type 1	X4-X7
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Connection type 2	XD1
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Connection type 3	XD2
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Connection type 4	XF2
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Family construction form	M12
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Gender	female
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Color contact carrier	black
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Coding	A
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No. of poles	5
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PIN 1	n.c.
PIN 2	DO (UA)
PIN 3	0 V (UA)
PIN 4	DO (UA)
PIN 5	PE
Family construction form	M12
Gender	male
Color contact carrier	black
Coding	L
No. of poles	5
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
Gender	female
Color contact carrier	black
Coding	L
No. of poles	4
PIN 1	24 V DC (US)
PIN 2	0 V
PIN 3	0 V
PIN 4	24 V DC (UA)
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 -