

**MVK I/O COMPACT MODULE, METAL**

Profibus DP, 16 dig In / Diag.

Art.No.: 55307

Weight: 0.95

Country of origin: DE

Model designation: MVK-MP DI8 (DI8)

Digital inputs

DI8 DI8

PROFIBUS 12 Mbit/s; M12, B-coded

7/8", 5-pole, 2× max. 9 A

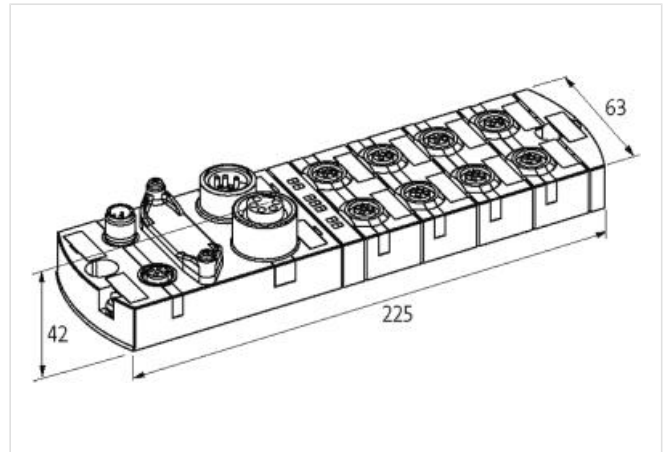
M12, 5-pole, A-coded

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
GTIN	4048879051484
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Packaging unit	1
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**Electrical data | Supply**

Norm operating voltage	EN 61131-2
Operating voltage US 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
Overload resistant	yes
Short-circuit protected	yes
Sensor current US per input max.	0,2 A

**Industrial communication | Bus data**

Address range min.	1
Address range max.	99
Address setting type	Rotary switch

**Diagnostics**

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

**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
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.	-25 °C
Storage temperature max.	70 °C

**Connection type 5**

Connection type 1	4-7
Connection type 2	Bus In
Connection type 3	Bus Out
Connection type 4	Power In
Connection type 5	Power Out
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	24 V DC (US)
PIN 2	DI / Diag
PIN 3	0 V (US)
PIN 4	DI
PIN 5	PE

Family construction form	M12
Gender	male
Color contact carrier	black
Coding	B
No. of poles	5
PIN 1	n.c.
PIN 2	A GN
PIN 3	n.c.
PIN 4	B RD
PIN 5	n.c.
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	B
No. of poles	5
PIN 1	5 V 2
PIN 2	A GN
PIN 3	0 V 2
PIN 4	B RD
PIN 5	n.c.
Family construction form	7/8"
Gender	male
Color contact carrier	black
No. of poles	5
PIN 1	0 V (UA)
PIN 2	0 V (US)
PIN 3	PE
PIN 4	24 V DC (US)
PIN 5	24 V DC (UA)
Family construction form	7/8"
Gender	female
Color contact carrier	black
No. of poles	5
PIN 1	0 V (UA)
PIN 2	0 V (US)
PIN 3	PE
PIN 4	24 V DC (US)
PIN 5	24 V DC (UA)