

MVK I/O COMPACT MODULE, METAL

Profibus DP, 16 dig In / Diag.

Art.No.: 55307

Weight: 0.950 kg

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, 2x max. 9 A

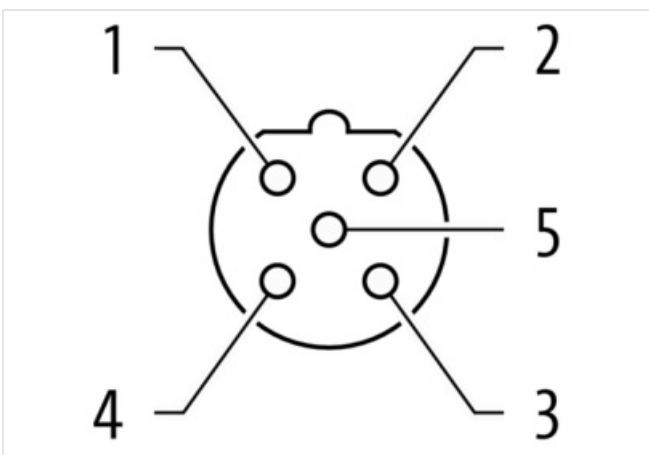
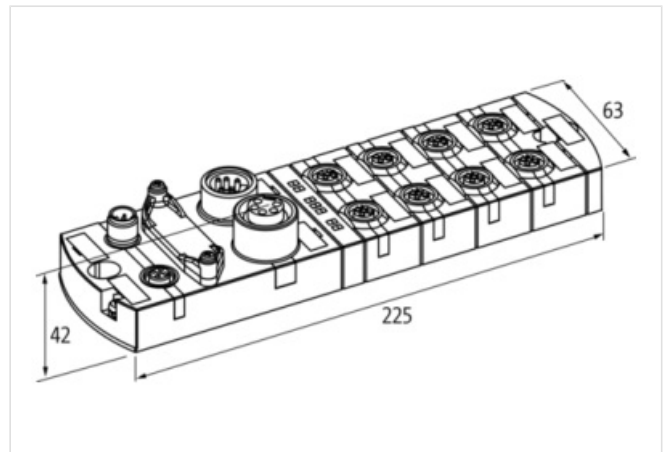
M12, 5-pole, A-coded

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

Housing fully potted.

[Link to Product](#)

Illustration



Product may differ from Image



Commercial data

| | |
|-----------------------|---|
| URL Webshop | https://shop.murrelektronik.com/55307 |
| GTIN | 4048879051484 |
| 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 | EC001599 |
| ETIM-6.0 | EC001599 |
| ETIM-7.0 | EC001599 |
| ETIM-8.0 | EC001599 |
| customs tariff number | 85389099 |
| EAN | 4048879051484 |
| Packaging unit | 1 |

Electrical data | Supply

| | |
|-------------------------|----------------|
| Norm operating voltage | IEC/EN 61131-2 |
| Operating voltage US DC | 24 V |
| Total current US max. | 9 A |
| Total current UA max. | 9 A |

Electrical data | Input

| | |
|----------------------------------|--|
| Sensor current US per input max. | 0,2 A |
| Short-circuit protected | Yes |
| Overload resistant | Yes |
| Type input | for 3-wire sensors or mechanical switches, PNP |

Industrial communication | Bus data

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

Diagnostics

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

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

| | |
|--|------------------|
| Operating temperature min. | -25 °C |
| Operating temperature max. | 55 °C |
| Ambient temperature (storage, transport) | -25 °C ... 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 |
| No. of poles | 5 |
| Coding | A |
| Gender | female |
| Color contact carrier | black |
| 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 |
| No. of poles | 5 |
| Coding | B |
| Gender | male |
| Color contact carrier | black |
| PIN 1 | n.c. |
| PIN 2 | A GN |
| PIN 3 | n.c. |
| PIN 4 | B RD |
| PIN 5 | n.c. |
| Family construction form | M12 |
| No. of poles | 5 |
| Coding | B |
| Gender | female |
| Color contact carrier | black |
| 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" |
| No. of poles | 5 |
| Gender | male |
| Color contact carrier | black |
| 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" |
| No. of poles | 5 |
| Gender | female |
| Color contact carrier | black |
| 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) |