

## MVK+ MPNIO DI8 DO8 GALVANIC SEPARATION

MVK ProfiNet Compact module, metal

Art.No.: 55339

Weight: 0.951 kg

Country of origin: DE

Model designation: MVK MPNIO DI8 DO8 FSU

Digital inputs/outputs

DI8 DO8

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

7/8", 5-pole, max. 9 A, protection against reverse polarization

M12, 5-pole, A-coded

FSU (Fast-Start-Up)

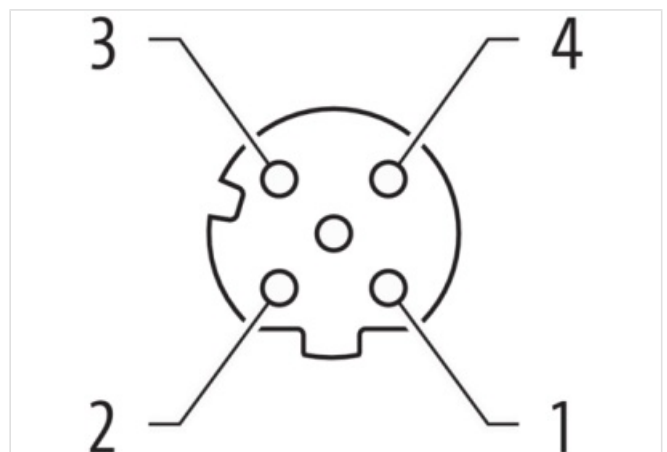
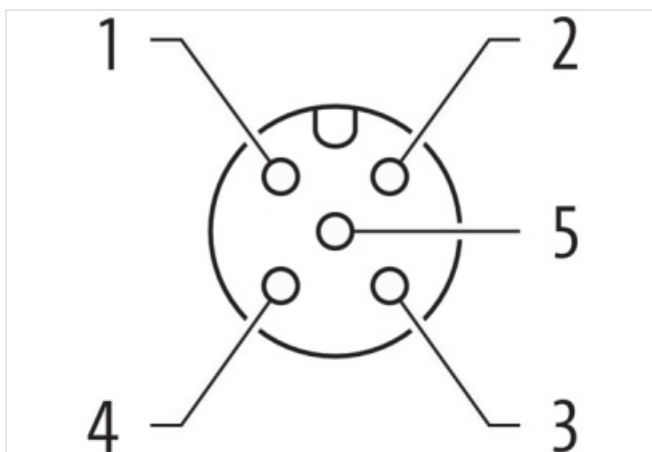
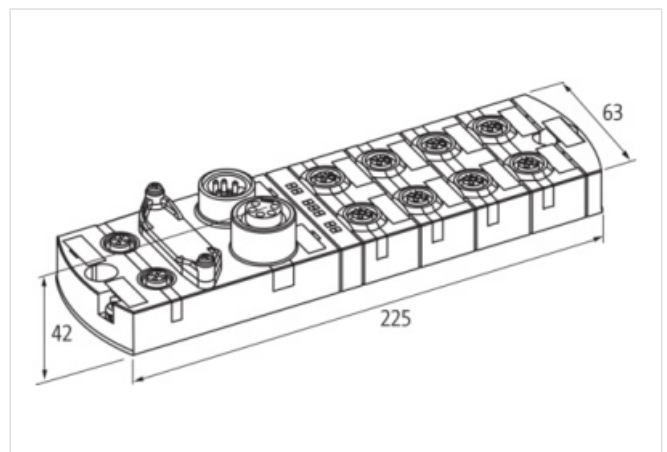
Galvanic isolation

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

Housing fully potted.

### [Link to Product](#)

#### Illustration



Product may differ from Image



| Header                              |                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------|
| Material short text                 | MVK MPNIO DI8 DO8 FSU                                                                     |
| Commercial data                     |                                                                                           |
| URL Webshop                         | <a href="https://shop.murrelektronik.com/55339">https://shop.murrelektronik.com/55339</a> |
| GTIN                                | 4048879377744                                                                             |
| 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                                 | 4048879377744                                                                             |
| 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                                                                                       |
| Operating voltage UA DC             | 24 V                                                                                      |
| 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                                            |
| Electrical data   Output            |                                                                                           |
| Output current per pin max.         | 2 A                                                                                       |
| Overload resistant                  | Yes                                                                                       |
| Short-circuit protected             | Yes                                                                                       |
| Lamp load                           | 10 W                                                                                      |
| Industrial Communication            |                                                                                           |
| Supported protocol                  | Profinet                                                                                  |
| Industrial communication   Profinet |                                                                                           |
| PROFINET conformance class          | B                                                                                         |
| PROFINET addressing                 | DCP                                                                                       |
| PROFINET specification              | V2.2                                                                                      |
| MRP client                          | Yes                                                                                       |
| FSU (Fast-Start-Up)                 | Yes                                                                                       |

Fast start up time max. 0,5 s

#### 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                     | 39 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        | 0-3          |
| Connection type 2        | 4-7          |
| 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                    | n.c.         |
| PIN 2                    | DO           |
| PIN 3                    | 0 V (UA)     |
| PIN 4                    | DO           |
| PIN 5                    | PE           |
| 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             | 4            |
| Coding                   | D            |
| Gender                   | female       |
| Color contact carrier    | black        |

|                          |                   |
|--------------------------|-------------------|
| Mounting method          | inserted, screwed |
| Tightening torque        | 0,6 Nm            |
| PIN 1                    | TD +              |
| PIN 2                    | RD +              |
| PIN 3                    | TD -              |
| PIN 4                    | 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)      |