

## MVK MPNIO DO16 galvanic separation

MVK PROFINET compact module, metal

Digital outputs

DO16 (IRT)

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".

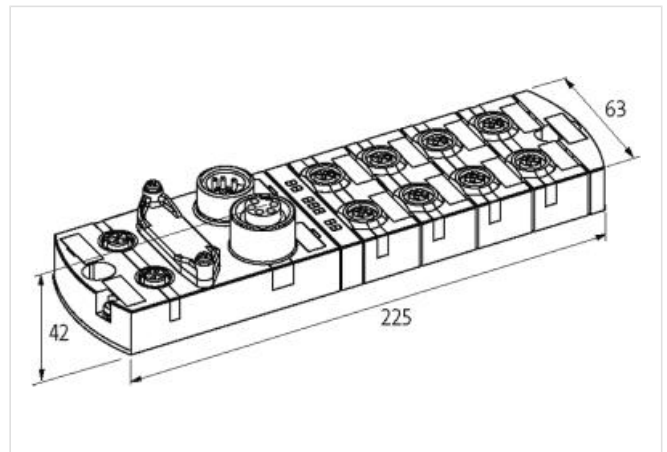
Housing fully potted.

### [Link til produkt](#)

#### Illustrasjon



Produktet kan avvike fra bildet



#### Handelsinformasjon

|                  |               |
|------------------|---------------|
| 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      |
| GTIN             | 4048879829373 |
| Pakkestørrelse   | 1             |
| Tolltariffnummer | 85389099      |

#### Electrical data | Supply

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

#### Electrical data | Output

Opplysningene i dette databladet er utarbeidet med størst mulig omhu.  
All informasjon gis uten ansvar for eventuelle feil og mangler. 03.05.2024

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

#### Industrial communication

|                    |          |
|--------------------|----------|
| Supported protocol | PROFINET |
|--------------------|----------|

#### Industrial communication | Profinet

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

#### 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 |
|-------------------------------------|------|

#### Mechanical data | Mounting data

|                            |                       |
|----------------------------|-----------------------|
| Suitable for mounting type | 2-hole screw mounting |
| Height                     | 39 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 4

|                          |          |
|--------------------------|----------|
| Connection type 1        | X0-X7    |
| Connection type 2        | XD1      |
| Connection type 3        | XD2      |
| Connection type 4        | XF1, XF2 |
| Family construction form | M12      |
| Gender                   | female   |
| Color contact carrier    | black    |
| Coding                   | A        |
| No. of poles             | 5        |
| PIN 1                    | n.c.     |
| PIN 2                    | DO (UA)  |
| PIN 3                    | 0 V (UA) |
| PIN 4                    | DO (UA)  |

|                          |              |
|--------------------------|--------------|
| PIN 5                    | PE           |
| 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) |
| Family construction form | M12          |
| Gender                   | female       |
| Color contact carrier    | green        |
| Coding                   | D            |
| No. of poles             | 4            |
| PIN 1                    | TD +         |
| PIN 2                    | RD +         |
| PIN 3                    | TD -         |
| PIN 4                    | RD -         |