

**MVK-MPNIO DIO14 IOL2 IRT 7/8" 5pin**

Digital inputs/outputs

DIO14 IOL2 (IRT)

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

7/8", 5-pole, 2× max. 9 A

M12, 5-pole, A-coded

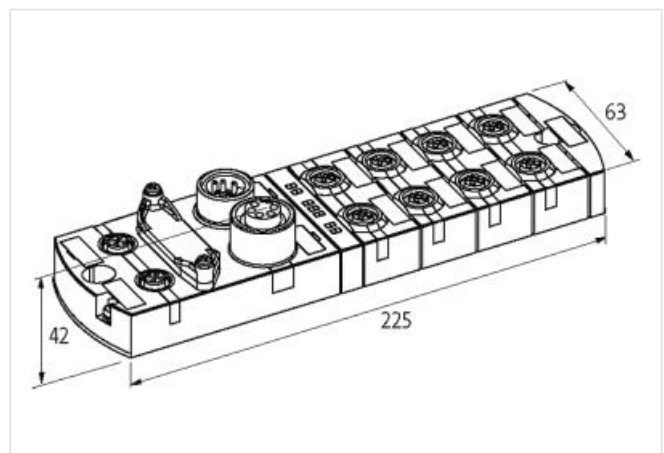
IO-Link Master V1.1.2

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

Housing fully potted.

[Länk till produkt](#)
**Illustration**


Produkten kan skilja sig från bilden


**Kommersiella uppgifter**

|                    |               |
|--------------------|---------------|
| 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           | EC001597      |
| Förpackningsenhet  | 1             |
| GTIN               | 4048879585446 |
| Kundens tullnummer | 85389099      |

**Electrical data | Supply**

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

**Electrical data | Input**

|                                                   |                                                                 |
|---------------------------------------------------|-----------------------------------------------------------------|
| Overload resistant                                | yes                                                             |
| Short-circuit protected                           | yes                                                             |
| Type input                                        | PNP, for 3-wire sensors or mechanical switches, IO-Link Devices |
| Sensor current US per input max.                  | 0,2 A                                                           |
| Sensor current US per IO-Link port max.           | 1 A                                                             |
| <b>Electrical data   Output</b>                   |                                                                 |
| Overload resistant                                | yes                                                             |
| Short-circuit protected                           | yes                                                             |
| Output current per pin max.                       | 1,6 A                                                           |
| Lamp load                                         | 10 W                                                            |
| <b>Industrial communication</b>                   |                                                                 |
| Supported protocol                                | PROFINET                                                        |
| <b>Industrial communication   Profinet</b>        |                                                                 |
| 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                                                             |
| <b>Industrial communication   IO-Link</b>         |                                                                 |
| Automatic baudrate detection                      | yes                                                             |
| IO-Link process data length output                | 32 Bytes                                                        |
| IO-Link process data length input                 | 32 Bytes                                                        |
| IO-Link revision ID                               | V1.1.2                                                          |
| IO-Link type                                      | 2x Master                                                       |
| IO-Link transmission rate                         | COM1, COM2, COM3                                                |
| Port Class                                        | B                                                               |
| <b>Diagnostics</b>                                |                                                                 |
| Actuator warning                                  | per channel via LED and BUS                                     |
| Diagnostic via BUS                                | per module and channel                                          |
| Diagnostic via LED                                | per module and channel                                          |
| IO-Link events                                    | No voltage, Undervoltage supply                                 |
| Short circuit diagnosis                           | yes                                                             |
| LED display                                       | Ethernet connection/data traffic                                |
| Cable break                                       | per port                                                        |
| Overload diagnosis                                | yes                                                             |
| <b>Device protection   Electrical</b>             |                                                                 |
| Degree of protection (EN IEC 60529)               | IP67                                                            |
| <b>Mechanical data   Mounting data</b>            |                                                                 |
| Suitable for mounting type                        | 2-hole screw mounting                                           |
| Height                                            | 42 mm                                                           |
| Width                                             | 63 mm                                                           |
| Depth                                             | 225 mm                                                          |
| <b>Environmental characteristics   Climatic</b>   |                                                                 |
| Operating temperature min.                        | -25 °C                                                          |
| Operating temperature max.                        | 60 °C                                                           |

Storage temperature min. -25 °C

Storage temperature max. 70 °C

**Connection type 5**

Connection type 1 X0-X5

Connection type 2 X6, X7

Connection type 3 XD1

Connection type 4 XD2

Connection type 5 XF2

Family construction form M12

Gender female

Color contact carrier black

Coding A

No. of poles 5

PIN 1 24 V DC

PIN 2 DI / DO

PIN 3 0 V

PIN 4 DI / DO

PIN 5 PE

Family construction form M12

Gender female

Color contact carrier black

Coding A

No. of poles 5

PIN 1 24 V DC

PIN 2 DI / DO

PIN 3 0 V

PIN 4 DI / DO / IO-Link

PIN 5 0 V

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)

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 - |