MURR ELEKTRONIK
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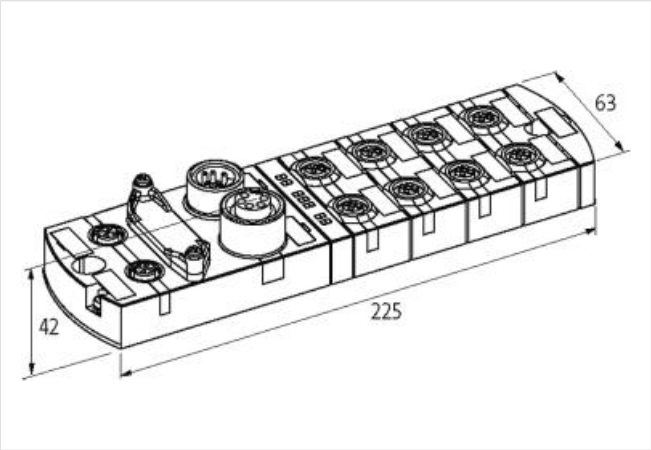
## MVK-MPNIO DIO14 IOL2 IRT 7/8" 5pin

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.

**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 | EC001597 |
| customs tariff number | 85389099 |
| GTIN | 4048879585446 |
| Packaging unit | 1 |

### 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

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| | |
|---|---|
| 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 |
| **Electrical data \| Output** | |
| Overload resistant | yes |
| Short-circuit protected | yes |
| Output current per pin max. | 1,6 A |
| Lamp load | 10 W |
| **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 |
| **Industrial communication \| IO-Link** | |
| 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 | 2× Master |
| IO-Link transmission rate | COM1, COM2, COM3 |
| Port Class | B |
| **Diagnostics** | |
| 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 |
| **Device protection \| Electrical** | |
| Degree of protection (EN IEC 60529) | IP67 |
| **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. | 60 °C |

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| | |
|---|---|
| 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 |

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| | |
|---|---|
| PIN 1 | TD + |
| PIN 2 | RD + |
| PIN 3 | TD - |
| PIN 4 | RD - |

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