

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

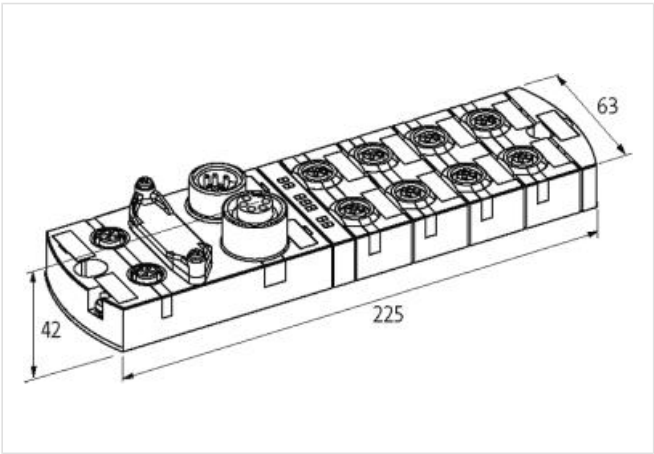
Digital inputs/outputs  
DIO14 IOL2 (IRT)  
Ethernet 10/100 Mbit/s; M12, D-coded  
7/8", 5-pole, 2× max. 9 A  
M12, 5-pole, A-coded  
IO-Link Master V1.1.2  
Connection cables are in the online shop under "Connection Technology".  
Housing fully potted.

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  |               |

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