## MVK MPNIO DI8 DO8 M12L 4P galvanic separation

MVK ProfiNet, metal

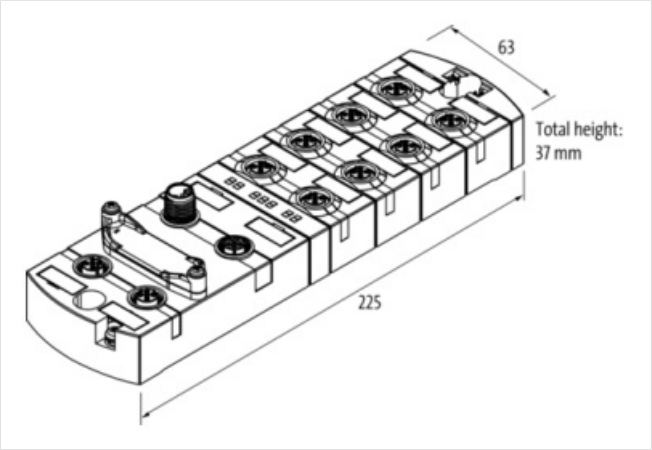
Art.No.: 55164
Weight: 0,925 kg
Country of origin: DE
Model designation: MVK MPNIO DI8 DO8 M12L 4P

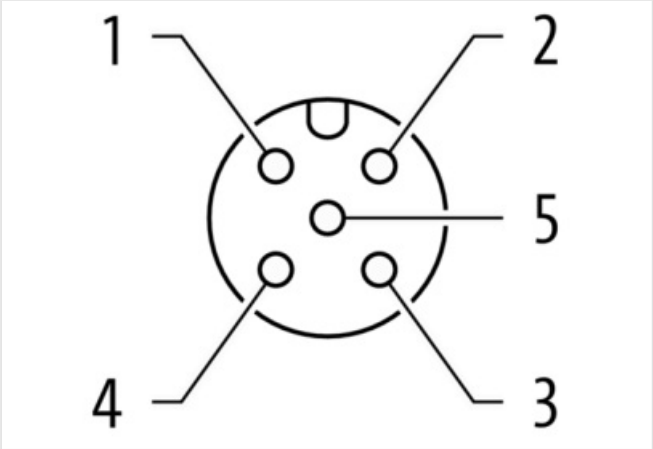
Digital inputs/outputs
DI8 DO8 (IRT)
Ethernet 10/100 Mbit/s; M12, D-coded
M12 power, 4-pin, L-coded, 2× max. 12 A
M12, 5-pole, A-coded
Fast-Start-Up (FSU)
Galvanic isolation
Connection cables are in the online shop under "Connection Technology".
Housing fully potted.

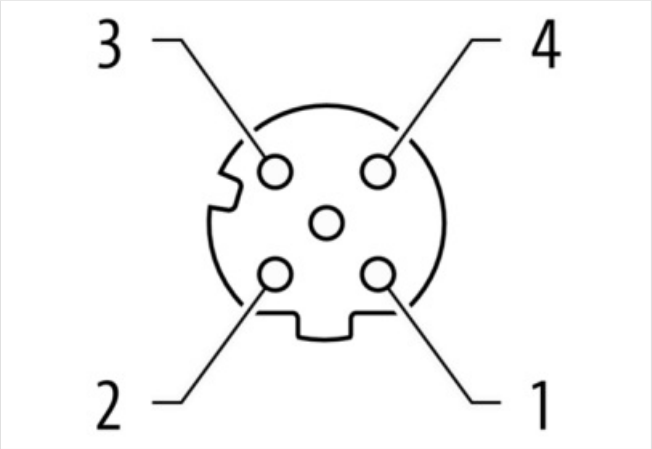
### Link to Product

**Illustration**






Product may differ from Image

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| | |
|---|---|
| **Commercial data** | |
| URL Webshop | https://shop.murrelektronik.com/55164 |
| GTIN | 4048879852227 |
| EU-Customs tariff number | 85389099 |
| US-Customs tariff number | 8538908180 |
| 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-9.0 | EC001599 |
| ETIM-10.0 | EC001599 |
| customs tariff number | 85389099 |
| EAN | 4048879852227 |
| Packaging unit | 1 |
| **Electrical data \| Supply** | |
| Norm operating voltage | IEC/EN 61131-2 |
| Operating voltage US DC | 24 V |
| Total current US max. | 12 A |
| Operating voltage UA DC | 24 V |
| Total current UA max. | 12 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 |
| **Industrial communication \| Bus data** | |
| Supported protocol | PROFINET |
| **Industrial communication \| PROFINET** | |
| Conformance Class | C |
| addressing | DCP |
| Netload Class | III |
| Specification | V2.3 |
| IRT-network communication | Yes |
| MRP client | Yes |
| Fast-Start-Up (FSU) | Yes |
| Fast start up time max. | 0.5 s |
| Shared device/input | Yes |

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| | |
|---|---|
| Number of active connections (IO controller) max. | 2 |
| **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 | 42 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 5-5** | |
| Connection type 1 | X0-X3 |
| Connection type 2 | X4-X7 |
| Connection type 3 | XD1 |
| Connection type 4 | XD2 |
| Connection type 5 | XF2 |
| Family construction form | M12 |
| No. of poles | 5 |
| Coding | A |
| Gender | female |
| Color contact carrier | black |
| PIN 1 | n.c. |
| PIN 2 | DO (UA) |
| PIN 3 | 0 V (UA) |
| PIN 4 | DO (UA) |
| 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 |
| PIN 3 | 0 V (US) |
| PIN 4 | DI |
| PIN 5 | PE |
| Family construction form | M12 |
| No. of poles | 5 |
| Coding | L |
| Gender | male |

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| | |
|---|---|
| Color contact carrier | black |
| PIN 1 | 24 V DC (US) |
| PIN 2 | 0 V |
| PIN 3 | 0 V |
| PIN 4 | 24 V DC (UA) |
| PIN 5 | n.c. |
| Family construction form | M12 |
| No. of poles | 4 |
| Coding | L |
| Gender | female |
| Color contact carrier | black |
| PIN 1 | 24 V DC (UB 1) (US) |
| PIN 2 | 0 V (UA) |
| PIN 3 | 0 V (UB 1) (US) |
| PIN 4 | 24 V DC (UA) |
| 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. |

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