

MVK MPNIO DI8 DO8 galvanic separation

MVK PROFINET compact module, metal

Digital inputs/outputs DI8 DO8 (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

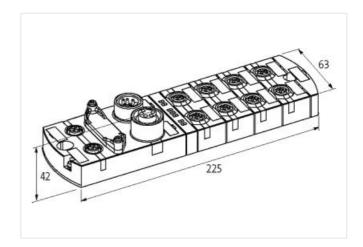
Connection cables are in the online shop under "Connection Technology".

Housing fully potted.

Link to Product

Illustration





Product may differ from Image









| Commercial data | | |
|--------------------------|---------------|--|
| 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 | |
| customs tariff number | 85389099 | |
| GTIN | 4048879798983 | |
| 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 | |

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-02



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| Electrical data Input | |
|---|--|
| Overload resistant | yes |
| Short-circuit protected | yes |
| Type input | PNP, for 3-wire sensors or mechanical switches |
| Sensor current US per input max. | 0,2 A |
| Electrical data Output | , |
| | |
| Overload resistant | yes |
| Short-circuit protected Output current per pin max. | yes 2 A |
| | 2 N |
| 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 |
| | 220 11111 |
| 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 5 | |
| Connection type 1 | X0-X3 |
| Connection type 2 | X4-X7 |
| Connection type 3 | XD1 |
| Connection type 4 | XD2 |
| Connection type 5 | XF1, XF2 |
| Family construction form | M12 |

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| Coding A No. ol polos 5 PIN 1 n.c. PIN 2 DO (UA) PIN 3 O Y (UA) PIN 4 DO (UA) PIN 5 PE Family construction form M12 Garder Isenate Cocing A No. ol polos 5 PIN 1 24 V DC (US) PIN 2 DI PIN 3 O V (US) PIN 4 DI PIN 5 PE Family construction form 78* Gender male Color contact carrier black No. of polose 5 PIN 1 0 V (US) PIN 2 0 V (US) PIN 3 PE PIN 4 24 V DC (US) PIN 5 PE PIN 6< | Gender | female |
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| Gender female Color contact carrier black Coding D No. of poles 4 PIN 1 TD + PIN 2 RD + PIN 3 TD - | Tightening torque | 0,6 Nm |
| Color contact carrier black Coding D No. of poles 4 PIN 1 TD + PIN 2 RD + PIN 3 TD - | Family construction form | M12 |
| Coding D No. of poles 4 PIN 1 TD + PIN 2 RD + PIN 3 TD - | Gender | female |
| No. of poles 4 PIN 1 TD + PIN 2 RD + PIN 3 TD - | Color contact carrier | black |
| PIN 1 TD + PIN 2 RD + PIN 3 TD - | Coding | D |
| PIN 2 RD + PIN 3 TD - | No. of poles | 4 |
| PIN 3 TD - | PIN 1 | TD+ |
| | PIN 2 | RD + |
| PIN 4 RD - | PIN 3 | TD - |
| | PIN 4 | RD - |