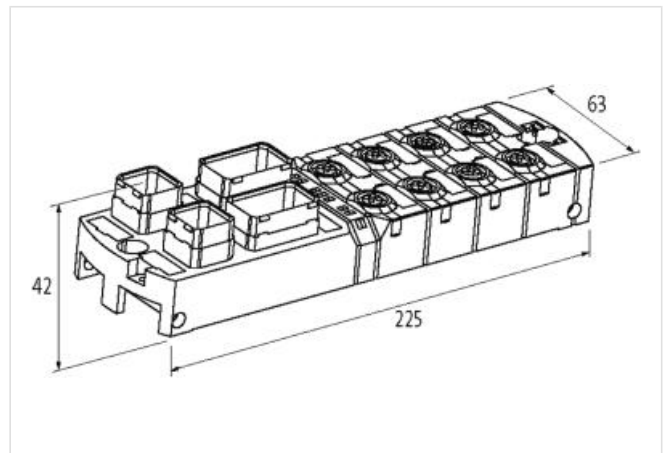


**MVK-MPNIO F DI16/8**

MVK ProfiNet/PROFIsafe Compact module, metal,

safe inputs up to cat.4/PL<sub>e</sub> (EN ISO 13849-1), up to SIL3 (IEC 61508), up to SILCL3 (IEC 62061)  
 FDI16/8 (IRT)  
 Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector  
 Push Pull Power connector, max. 12 A  
 M12, 5-pole, A-coded

[Linkki tuotteeseen](#)**Kuvat**

Tuote voi erota kuvassa olevasta

**Kaupalliset tiedot**

|             |               |
|-------------|---------------|
| 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    | EC001599      |
| GTIN        | 4048879454209 |
| Pakkauskoko | 1             |
| Tullinumero | 85389099      |

**Safety codes**

|                                    |           |
|------------------------------------|-----------|
| DCavg (EN ISO 13849-1)             | 98 %      |
| Service life                       | 20 a      |
| Category (EN ISO 13849-1)          | 4         |
| PfHd (IEC 61508)                   | 17 E-10/h |
| Performance level (EN ISO 13849-1) | e         |
| SIL (IEC 61508)                    | 3         |
| SIL CL (IEC 62061)                 | 3         |

| Electrical data   Supply                          |                                                                     |
|---------------------------------------------------|---------------------------------------------------------------------|
| Operating current per pin max.                    | when using pin 1 and pin 5, when using pin 1 or pin 5, 0.2 A, 0.7 A |
| Total current UA max.                             | 12 A                                                                |
| Total current US max.                             | 12 A                                                                |
| Electrical data   Input                           |                                                                     |
| Operating voltage F input                         | 24 V                                                                |
| Type Safety input                                 | for electronical sensors or mechanical switches                     |
| Industrial communication                          |                                                                     |
| Supported protocol                                | PROFINET                                                            |
| Industrial communication   Profinet               |                                                                     |
| Number of active connections (IO controller) max. | 2                                                                   |
| IRT (network communication)                       | yes                                                                 |
| MRP client                                        | yes                                                                 |
| PROFINET addressing                               | DCP                                                                 |
| PROFINET conformance class                        | C                                                                   |
| PROFINET specification                            | V2.2                                                                |
| 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                                              |
| Wire break detection                              | yes                                                                 |
| Short circuit diagnosis                           | yes                                                                 |
| LED display                                       | Ethernet connection/data traffic                                    |
| Cross-link detection                              | Sensor/Actuator                                                     |
| Overload diagnosis                                | yes                                                                 |
| Device protection   Electrical                    |                                                                     |
| Degree of protection (EN IEC 60529)               | IP67                                                                |
| Overload resistant                                | yes                                                                 |
| Short-circuit protected                           | yes                                                                 |
| Mechanical data   Mounting data                   |                                                                     |
| Suitable for mounting type                        | 2-hole screw mounting                                               |
| Height                                            | 44 mm                                                               |
| Width                                             | 63 mm                                                               |
| Depth                                             | 225 mm                                                              |
| Environmental characteristics   Climatic          |                                                                     |
| Operating temperature min.                        | -20 °C                                                              |
| Operating temperature max.                        | 55 °C                                                               |
| Storage temperature min.                          | -40 °C                                                              |
| Storage temperature max.                          | 70 °C                                                               |
| Conformity                                        |                                                                     |
| Product standard                                  | EN 61131-2                                                          |
| Connection type 3                                 |                                                                     |
| Connection type 1                                 | 4-7                                                                 |
| Connection type 2                                 | Port1, Port2                                                        |
| Connection type 3                                 | Power In, Power Out                                                 |
| Family construction form                          | M12                                                                 |
| Gender                                            | female                                                              |
| Color contact carrier                             | yellow                                                              |

|                          |                               |
|--------------------------|-------------------------------|
| Coding                   | A                             |
| No. of poles             | 5                             |
| PIN 1                    | 24 V DC (US 1) Test Pulse P 4 |
| PIN 2                    | FDI                           |
| PIN 3                    | 0 V (US 1)                    |
| PIN 4                    | FDI                           |
| PIN 5                    | 24 V DC (US 1) Test Pulse P 2 |
| Family construction form | RJ45                          |
| Gender                   | female                        |
| Color contact carrier    | black                         |
| No. of poles             | 8                             |
| PIN 1                    | TD +                          |
| PIN 2                    | TD -                          |
| PIN 3                    | RD +                          |
| PIN 4                    | n.c.                          |
| PIN 5                    | n.c.                          |
| PIN 6                    | RD -                          |
| PIN 7                    | n.c.                          |
| PIN 8                    | n.c.                          |
| Family construction form | Push Pull                     |
| Gender                   | male                          |
| Color contact carrier    | green                         |
| No. of poles             | 5                             |
| PIN 1                    | 24 V DC (US)                  |
| PIN 2                    | 0 V (US)                      |
| PIN 3                    | 24 V DC (UA)                  |
| PIN 4                    | 0 V (UA)                      |
| PIN 5                    | PE                            |