

## MVK-MPNIO F DI8/4 F DO4

MVK ProfiNet/PROFIsafe Compact module, metal,

safe inputs/outputs up to cat.4/PLe (EN ISO 13849-1), up to SIL3 (IEC 61508), up to SILCL3 (IEC 62061)

DI8/4F DO4 (IRT)

Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector

### [Link to Product](#)

#### Illustration



Product may differ from Image

#### Approvals



#### More Info



#### Safety Indicators

PL	up to e
Category	up to 4
PFH	1.653E-9
DC	98%
SIL	up to 3
SIL CL	up to 3
Service life	20 years

#### Connections

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 03/19

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Fieldbus	Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector
Sensor-system/actuator supply	Push Pull Power connector, max. 12 A
I/O ports	M12, 5-pole, A-coded

**General data**

Protection	IP67
Mounting method	2-hole screw mounting
Temperature range	-20...+55 °C (storage temperature -40...+70 °C)
Dimensions H x W x D	44x63x225 mm

**PROFINET**

Shared Device/Input	yes, for 2 controls
Specification	V2.2, Conformance Class C (IRT)
MRP	yes
Addressing	DCP

**Safety input**

Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (PIN 1+5), short-circuit and overload protected, or max. 700 mA for only one PIN
Type	for electrical sensors or mechanical switches

**Safe output**

Actuator supply UA	24 V DC (EN 61131-2), max. 9 A
Switching current by safe output	max. 2 A (short-circuit and overload protected)

**Diagnostic**

Communication status	via LED
Diagnostic via LED	per module and channel
Diagnostic via BUS	per module and channel
Monitoring - under voltage	yes
Monitoring - no voltage	yes
Short-circuit and overload	yes
Actuator warning	per channel via LED and BUS
Cross-link detection	Sensor/Actuator
Wire break detection	yes

**Commercial data**

country of origin	DE
customs tariff number	85389099
EAN	4048879454216
eClass	27242604
Packaging unit	1