

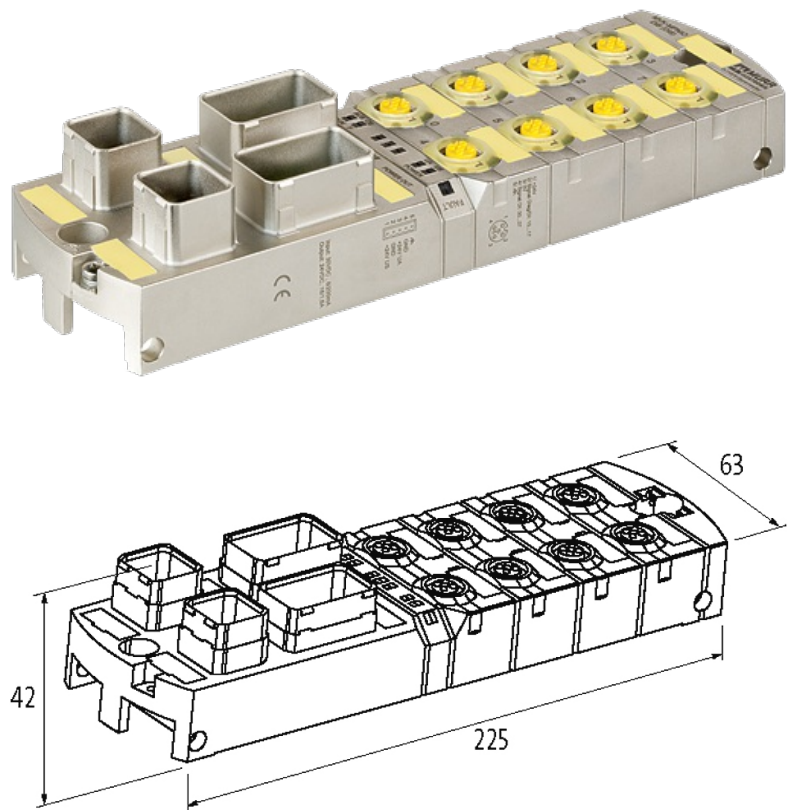
MVK-MPNIO F DI16/8

MVK ProfiNet/PROFIsafe Compact module, metal,

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

DI16/8F (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	1.70E-9
DC	98%
SIL	up to 3
SIL CL	up to 3
Service life	20 years

Connections

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

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	4048879454209

eClass	27242604
Packaging unit	1