

**MVK-MPNIO F DI8/4 F DO4 7/8" IRT**

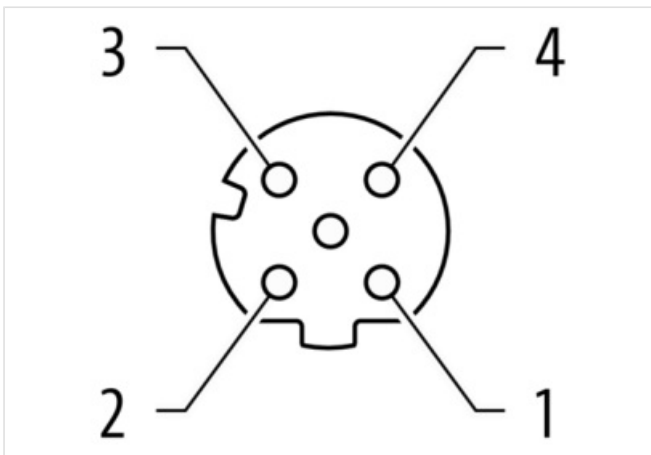
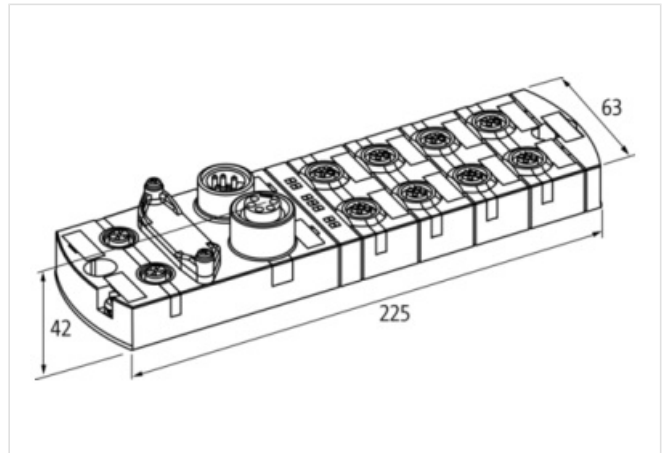
MVK ProfiNet/PROFIsafe Compact module, metal,

Art.No.: 55557  
 Weight: 1.208 kg  
 Country of origin: DE  
 Model designation: MVK-MPNIO F DI8/4 F DO4 7/8" IRT

safe inputs/outputs up to cat.4/PLe (EN ISO 13849-1), up to SIL3 (IEC 61508), up to SILCL3 (IEC 62061)  
 FDI8/4 DO4 (IRT)  
 Ethernet 10/100 Mbit/s; M12, D-coded  
 7/8", 5-pole, 2x max. 9 A  
 M12, 5-pole, A-coded

**Link to Product**

**Illustration**



Product may differ from Image



**Commercial data**

URL Webshop <https://shop.murrelektronik.com/55557>  
 GTIN 4048879570763

Customs tariff number	85389099
ECLASS-6.0	27242604
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-5.0	EC001599
ETIM-6.0	EC001599
ETIM-7.0	EC001599
ETIM-8.0	EC001599
customs tariff number	85389099
EAN	4048879570763
Packaging unit	1

**Safety codes**

DCavg (EN ISO 13849-1)	98 %
Service life	20 a
Category (EN ISO 13849-1)	4
PFHd (IEC 61508)	16,53 E-10/h
Performance level (EN ISO 13849-1)	e
SIL (IEC 61508)	3
SIL CL (IEC 62061)	3

**Electrical data | Supply**

Norm operating voltage	IEC/EN 61131-2
Operating current per pin max.	when using pin 1 or pin 5, when using pin 1 and pin 5, 0.2 A, 0.7 A
Total current US max.	9 A
Operating voltage UA DC	24 V
Total current UA max.	9 A

**Electrical data | Output**

Output current per pin (safety) max.	2 A
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**Electrical data | F-Input**

Type Safety input	for electronic sensors or mechanical switches
Operating voltage F input	24 V

**Industrial communication | Bus data**

Supported protocol	Profinet
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**Industrial communication | Profinet**

Conformance Class	C
addressing	DCP
Specification	V2.2
IRT-network communication	Yes
MRP client	Yes
Shared device/input	Yes

Number of active connections (IO controller)  
max. 2

#### Diagnostics

Actuator warning	per channel via LED and BUS
Short circuit diagnosis	Yes
Overload diagnosis	Yes
Wire break detection	Yes
Cross-link detection	Sensor/Actuator
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
Overload resistant	Yes
Short-circuit protected	Yes

#### Mechanical data | Mounting data

Height	44 mm
Width	63 mm
Depth	225 mm
Suitable for mounting type	2-hole screw mounting

#### Environmental characteristics | Climatic

Operating temperature min.	-20 °C
Operating temperature max.	55 °C
Ambient temperature (storage, transport)	-40 °C ... 70 °C

#### Connection types

Connection type 1	0-3
Connection type 2	4-7
Connection type 3	Power In
Connection type 4	Power Out
Connection type 5	XF2