

MVK Fusion with cooler

MVK PN FDI6/3 FDO2/1 DIO4 IOL2 IRT PP K

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

Housing fully potted.

Double safety output port

FDI6/3 FDO2/1 DIO4 IOL2 (IRT)

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

Push Pull Power connector, max. 16 A

M12, 5-pole, A-coded

Galvanic isolation

with heat sink

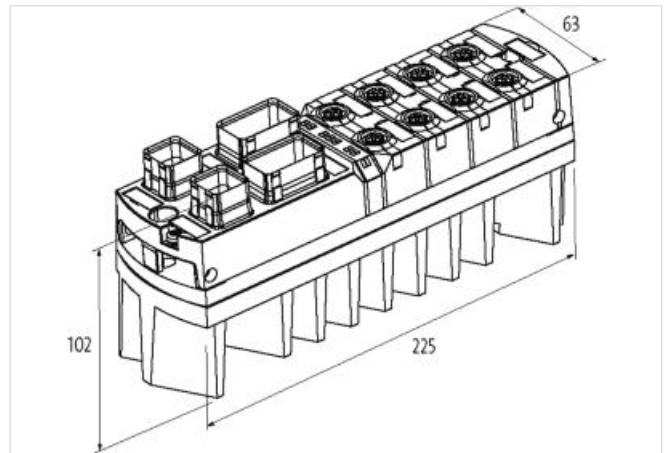
Connection cables are in the online shop under "Connection Technology".

Link to Product

Illustration



Product may differ from Image



General data

Mounting method	2-hole screw mounting
Temperature range	-20...+60 °C (storage temperature -40...+85 °C)
Protection	IP67
Dimensions H×W×D	102×63×225 mm

Output

Actuator supply UA	24 V DC (EN 61131-2), max. 8 A
Switching current per output	max. 2 A (short-circuit and overload protected)

Input

Sensor supply US	24 V DC (EN 61131-2), max. 700 mA (M12 female), short-circuit and overload protected
Type	for 3-wire sensors or mechanical switches, PNP, IO-Link Devices

IO-Link

Specification	IO-Link Master V1.1.2
Port Class	1× Class A; 1× Class B (galvanically separated)
IO-Link	2× Master

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: 2022-11-13

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Transfer parameters	32 Byte (In) 32 Byte (Out) per IO-Link port
Operating modes	COM1; COM2; COM3 (automatic)
Parameterization	
PIN 4	Input/Output (port X4, X5); Input (port X6, X7)
PIN 2	Input/Output (port X4, X5); Input (port X6)
Connections	
Fieldbus	Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector
Sensor-system/actuator supply	Push Pull Power connector, max. 16 A
I/O ports	M12, 5-pole, A-coded
PROFINET	
Specification	V2.3, Conformance Class C (IRT)
Addressing	DCP
PROFINET Netload Class	III
MRP	yes
Shared Device	yes, for 2 controls
Safety Indicators	
Service life	20 years
Category	X0, X1, X2, X3 up to 4, X7 (PIN 3) up to 3
PFH	IEC 62061: 4.8E-9 1/h; IEC 61508: 7.8E-10 1/h
PL	X0, X1, X2, X3 up to e, X7 (PIN 3) up to d
SIL CL	up to 3
SIL	X0, X1, X2, X3 up to 3, X7 (PIN 3) up to 2
Product article number of manufacturer	5551001
Diagnostic	
Communication status	via LED
Diagnostic via LED	per module and channel
Diagnostic via BUS	per module and channel
Actuator warning	per channel via LED and BUS
Monitoring - under voltage	yes
Monitoring - no voltage	yes
Short-circuit and overload	yes
Cross-link detection	Sensor/Actuator
Wire break detection	yes