

MVK Fusion

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

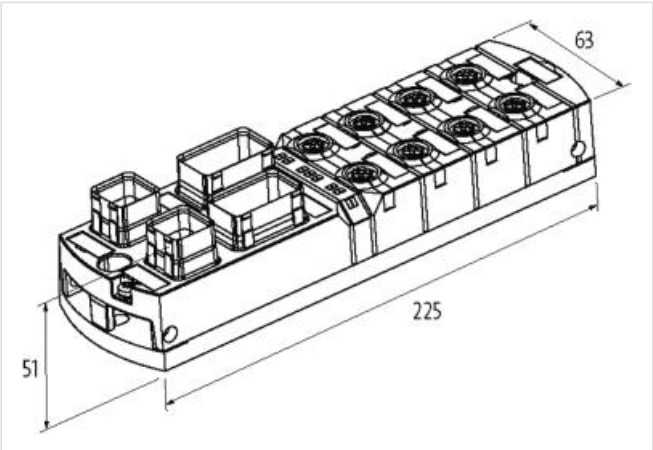
safe inputs/outputs up to cat.4/PLe (EN ISO 13849-1), up to SIL3 (IEC 61508), up to SILCL3 (IEC 62061)
Double safety output port
FDI6/3 FDO2/1 DIO4 IOL2 (IRT)
Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector
Push Pull Power connector, max. 16 A
M12, 5-pole, A-coded
Galvanic isolation
Connection cables are in the online shop under "Connection Technology".
Housing fully potted.

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 HxWxD	51.2x63x225 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	1x Class A; 1x Class B (galvanically separated)
IO-Link	2x Master
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 55510

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