

## COMPACT FIELD-BUS MODULES

### SAFE SHUTDOWN

With its push-pull module from the MVK Metal series and its MVP12 metal distribution box, Murrelektronik presents an attractive solution that, in the event of a failure, makes it possible to switch the IO-Link supply off safety in combination with a safety relay.

The compact and robust MVK IO-Link master module is ideal not only for connecting digital sensors, actuators and IO-Link devices (class B) but also for integrating them into fieldbus systems based on PROFINET (IRT and RT). The sensor and actuator voltages are galvanically isolated. Safety solutions up to Performance Level d can be achieved.

PROFINET IRT guarantees cycle times of up to 31.25  $\mu$ s. This allows, in addition to digital actuators and IO-Link devices, also synchronous drives to be integrated into the network.

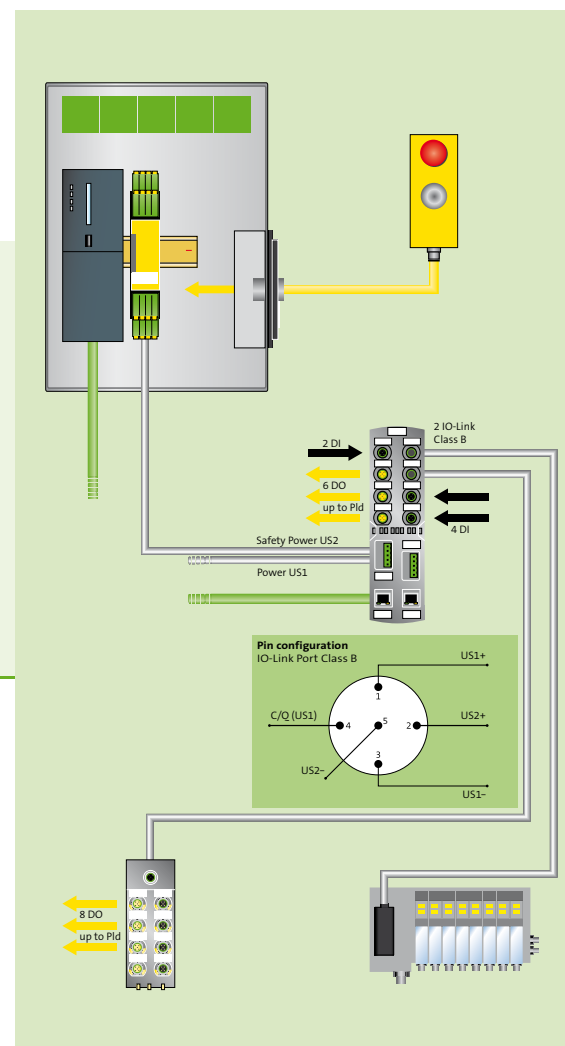


### HIGH-PERFORMANCE HARDWARE

- 2 x IO-Link Class B Master galvanically isolated
- IODD on Board
- Individual channel diagnostics
- Port-related switch-off
- 6 x DO 2A / 6 x DI

### MVK Metal / MVP12 Metal

- AIDA Push Pull / M12 A coded
- Robust, compact and welding spatter resistant
- Maximum shock and vibration resistance
- Resistant to oils and lubricants
- High degree of protection IP67
- Both housings over 100,000 times proven



# COMPACT

## High-Performance Hardware

- PROFINET Fast Start Up (FSU)
- PROFINET Conformance Class C (IRT)
- PROFINET Shared Device
- PROFINET Netload Class III

## IODD On Board

- For manufacturers of series machinery IODD can be installed upon request
- Commissioning or exchange of the IO-Link master is possible without additional tools if equipped with IODD on Board



## ORDER DATA

PROFINET V2.3  
Conformance Class B/  
Conformance Class C

Degree of protection IP67

IO-Link



MVK MPNIO DI6 DO6 IOL2 PP



MVP12 DI8 DO8 IOL K3



Order data	Art. No.	Art. No.
	55516	55518
Technical Data		
PROFINET Netload Class	III	-
FSU support	yes	-
Shared device/input	yes, for 2 control units	yes, for 2 control units
Ports	8 x M12	8 x M12
Digital inputs	X3, X4, X5 according to EN 61131-2, type3 (200 mA), single-channel fuse	8 x 100 mA, single-channel fuse
Digital outputs	X0, X1, X2 max. 2 A per output, frequency max. 50 Hz, single-channel fuse	8 x 400 mA, single-channel fuse
IO-Link	X6, X7 version 1.12, up to 1A load pin4, 2A last pin2	version 1.12 (pin2/pin5 U <sub>A</sub> max. 4 A)
Shock (EN 60068 Part 2-27)	50 g	50 g