

COMPACT

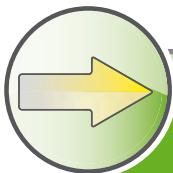
COMPACT 7/8"FIELDBUS MODULE FOR THE AUTOMOTIVE INDUSTRY

MVK METAL 7/8" FSU

FOR CONNECTIONS WITH STANDARD CABLES

For robotic applications in automotive production, tools have to be changed quickly. With MVK Metal, Murrelektronik can make this happen.

The modules are equipped with Fast Start Up (FSU) and ensure setup and start-up times of less than 500 milliseconds. The FSU module with push-pull technology is already used in a large number of applications.



GOOD ARGUMENTS

- Starts within 500 ms
- Connection with standard cables
- 7/8" for power
- M12 for PROFINET communications
- FSU for minimum setup and start up times



HIGHLIGHTS

- Galvanic separation U_A/U_S
- MRP client for ring topology applications
- Power supply connection with reverse polarity protection
- Optimum diagnostic options
- LED at the port, error message to the control
- Port-specific shutdown in case of failure



FOR APPLICATIONS IN
BODY SHOP AND POWERTRAIN

MVK METAL

Tested and reliable – MVK Metal is the fieldbus module for applications in rugged environments

- Metal housing with surface finishing is welding spark resistant
- Fully potted housing resists impacts and vibrations
- Resistant to coolants and lubricants
- Rugged and compact design
- High protection degree: IP67



TECHNICAL DATA

Ordering data	Art. No.
MVK MPNIO D18 D08 FSU	55339
Connections	
Fieldbus M12	D-coded
Supply sensor/system/actuator	7/8", 5-pole, max. 9 A
I/O ports	M12, A-coded, 5-pole
Fieldbus	
Operating voltage	24 V DC (18...30.2 V) acc. to EN 61131-2
Operating modes	auto-negotiation/auto MDI/MDI-X
Transfer rate	100 MBit/s full duplex
FSU (Fast-Start-Up)	max. 500 ms
Input	
Sensor supply US	24 V DC, (EN 61131-2), max. 200 mA per M12 port
Type	for 3 wire sensors or mechanical switches, p-switching (EN 61131-2)
PIN 4, (port 4,5,6,7)	input
PIN 2, (port 4,5,6,7)	input
LED indicator	LED (yellow) per input
Output	
Actuator supply	24 V DC, (EN 61131-2), sum max. 12 A
Switching current per output	max. 2 A, short-circuit and overload protected
PIN 2, (port 0,1,2,3)	output
PIN 4 (port 0,1,2,3)	output
LED indicator	LED (yellow) output set; LED (red) output short-circuit; LED (red) fault connection
Diagnostics	
communication status	per LED
Diagnostics	by LED per module and channel
Diagnostics	by BUS per module and channel
Monitoring	voltage, short-circuit and overload
General data	
Protection	IP67
Temperature range	0...+55 °C (storage temperature -20...+70 °C)