

COMPACT

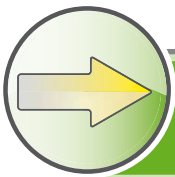
COMPACT 7/8" FIELDBUS MODULE FOR THE AUTOMOTIVE INDUSTRY

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



FOR APPLICATIONS IN
BODY SHOP AND POWERTRAIN



PROFI[®]
NET

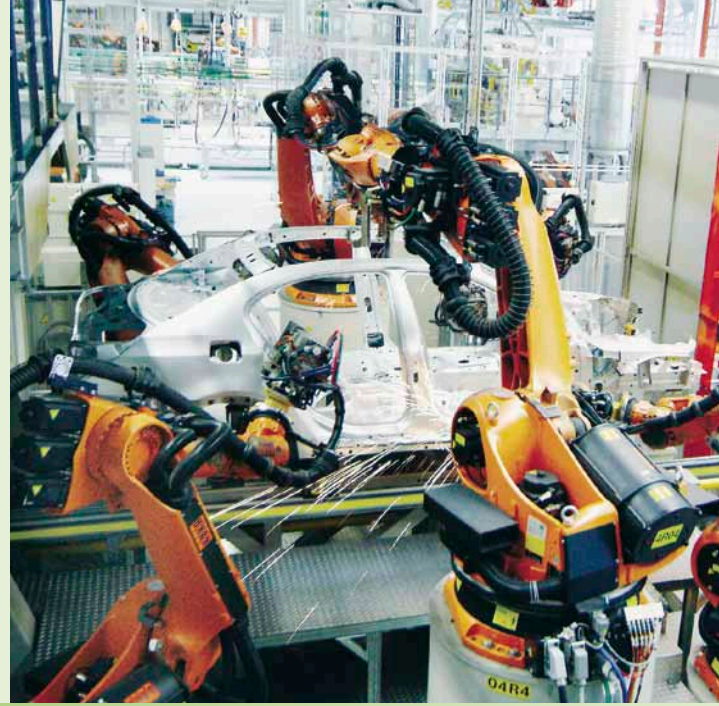
HIGHLIGHTS

- 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

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 DI8 DO8 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)	