

COMPACT

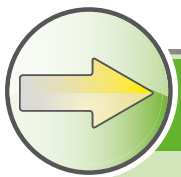
COMPACT FIBER OPTIC I/O MODULE

MVK METAL POF PUSH PULL FOR THE AUTOMOTIVE INDUSTRY

Industrial applications, especially robotic ones, require high EMC interference immunity. A potential separation between systems is very important. Using polymer optical fibers (POF) is a reliable solution in the automotive industry.

MVK Metal is now available with AIDA approved POF transceivers with Push Pull SCRJ connectors. The modules are equipped with Fast Start Up (FSU) and ensure setup and startup times of less than 500 milliseconds.

MVK Metal is already being used in many systems.



ATTRACTIVE ATTRIBUTES

- **Fast Start Up (< 500 ms)**
- **Unique diagnostic concept**
- **Extended POF diagnostics with PROFINET (cable attenuation, length measurement)**
- **Easy to wire**
- **AIDA compliant**
- **Ethernet 2 port cut-through switch**
- **Clearly visible status LED**

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

Tough and reliable – MVK Metal is the fieldbus module for applications in rough environments

- Welding spark resistant metal housing
- Fully potted housing reduces impacts and vibrations
- Resistant to coolants and lubricants
- Rugged and compact design
- High protection degree: IP67



TECHNICAL DATA

Ordering data	Art. No.	Art. No.
MVK+ MPNIO D18 D18 POF PP	55256	
MVK+ MPNIO D18 D08 POF PP		55257
Input		
Sensor supply U _s	24 V DC, (EN 61131-2), max. 200 mA per M12 port Supply sensor/system/actuator	
Pin 2/4 female	0,1,2,3,4,5,6,7	4,5,6,7
Type	for 3 wire sensors or mechanical switches, p-switching (EN 61131-2)	
Output		
Actuator supply U _A	24 V DC, (EN 61131-2), total max. 12 A switching current at output max. 2 A, short-circuit and overload protected	
PIN 2/4 female	0,1,2,3	

ACCESSORIES



Ordering data	Art. No.
Push-Pull-SCRJ connector	7000-99701-000000



Ordering data	Art. No.
AIDA Push-Pull connection with Power FK +SCRJ	4000-74122-1003001
	4000-74122-1053051



Ordering data	Art. No.
Push-Pull-SCRJ-POF- Assembly kit	7000-98111-000000