COMPACT

PLUG AND PLAY WITH IO-LINK
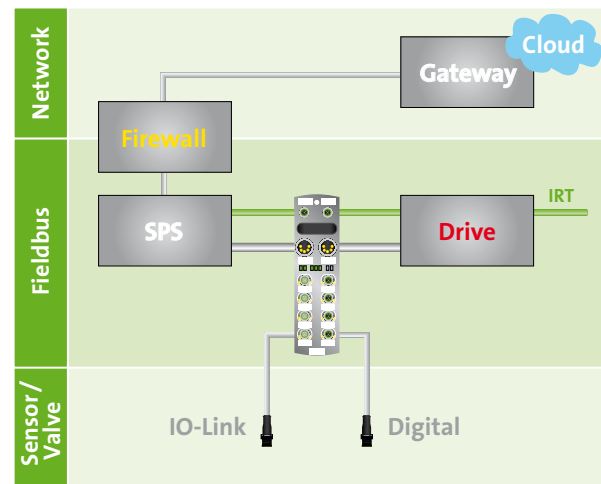
COMPACT FIELDBUS MODULES

Murrelektronik's compact IO-Link master modules make it easy to connect digital sensors and IO-Link devices to fieldbus systems with PROFInet protocol IRt (and Rt). You can create ideal standard solutions to easily link information from the field level to the IP level.

PROFINET IRT guarantees cycle times of up to 31.25 µs. Even synchronous drives can be included in the network in addition to digital and smart sensors.

IO-Link

High Performance Hardware

- Multifunctional M12 ports: Digital I/Os or IO-Link
- IODD on Board
- Single channel diagnostic function
- Port-related switch off

MVK METALL

- Excellent EMC characteristics
- Standard in the automotive industry
- Welding spark resistant
- Highest vibration-shock resistance (50 g)
- Resistant to coolants and lubricants

IMPACT67

- Multi IO and IO-Link also available in robust plastic version
- Cost-effective
- Fully potted
- Double valves use only one M12 port

⇘ High Performance Hardware

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

⇘ Multifunctional M12 ports

Pin	Function	DIO	IO-Link Port Class	
			A	B
1	24 V DC U_S	X	X	X
2	DI (U_S) / DO (U_A)	X	X	
	24 V DC U_A			X
3	0 V DC	X	X	X
4	DI (U_S) / DO (U_A)	X		
	IO-Link Comm. Q		X	X
5	0 V DC	⏚	n.c.	X

⇘ IODD on Board

- For standard machinery manufacturers, IODD can be included upon request
- IODD on board allows you to setup or replace the IO-Link master without any additional tools

⇘ Manufacturer-independent

- IO-Link Version 1.12
- Tested with 1.0 and 1.1 IO-Link sensors and devices from many manufacturers
- IODD parameterization with an IO-Link tool (WIN7_PC) for all IO-Link sensors

ORDERING DATA

PROFINET V2.3 Conformance Class B/ Conformance Class C IP67 rating ◉ IO-Link PROFI NET®	DIO16 IRT	DIO14 / IOL2 IRT	DIO12 / IOL4 IRT	DIO16 IRT	DIO14 / IOL2 IRT	DIO12 / IOL4 IRT
Art. no.	55530	55531	55532	55130	55131	55132
Technical Data						
PROFINET Netload Class	III					
FSU support	yes					
Shared Device / Input	yes, for 2 controls					
Multifunctional channels	8 M12 ports					
Digital inputs	acc. to EN 61131-2, Type3 (200 mA), single channel protection					
Digital outputs	Max. 1.6 A per output cycle frequency max. 50 Hz, single channel protection					
IO-Link	V 1.12 / EN61131-2 Type 1, Com1/Com2/Com3, automatic startup, up to 1 A load					
IO-Link 1.1 Class B Port	–	max. 2 (X6, X7)	max. 4 (X4, X5, X6, X7)	–	max. 2 (X5, X7)	max. 4 (X1, X3, X5, X7)
Shock (EN 60068 Part 2-27)	50 g			15 g		

The information contained herein has been compiled with the utmost care. Liability for the correctness, completeness and topicality of the information is restricted to gross negligence. Art. No. 9871202

⇘ **www.murrelektronik.com**