

PURE.IO



IO-LINK IN ITS PUREST FORM

pure.IO from Murrelektronik sets new standards in IO-Link technology and enables easy use in all standard applications in production and intralogistics.

The pure.IO portfolio with powerful IO-Link masters with multiprotocol and IO-Link I/O modules impresses with its ultra-compact and lightweight housing design.

The integrated LED status indication provides complete 360° visibility for monitoring the module status – for greater transparency and efficiency.

YOUR ADVANTAGES:

- Ultra-compact, lightweight and environmentally friendly
- Multiprotocol with PROFINET, EtherNet/IP and EtherCAT
- IO-Link extension port on IO-Link I/O modules for daisy-chaining
- Patented innovative status indication thanks to corner LEDs for 360° visibility
- Simple and error-free installation with uKonn-X

DETAILS THAT MAKE THE DIFFERENCE

PURE.IO IO-LINK MASTER

TWO POWER CONNECTION OPTIONS

M12 power connector with L-coding or A-coding

8x IO-LINK

INNOVATIVE STATUS INDICATION

3 LEDs per port and 4 corner LEDs for 360° visibility

MULTIPROTOCOL

with PROFINET, EtherNet/IP and EtherCAT,
IIoT (REST API & MQTT) and WebUI

HARDWARE RESET BUTTON

integrated under the M12-D connector



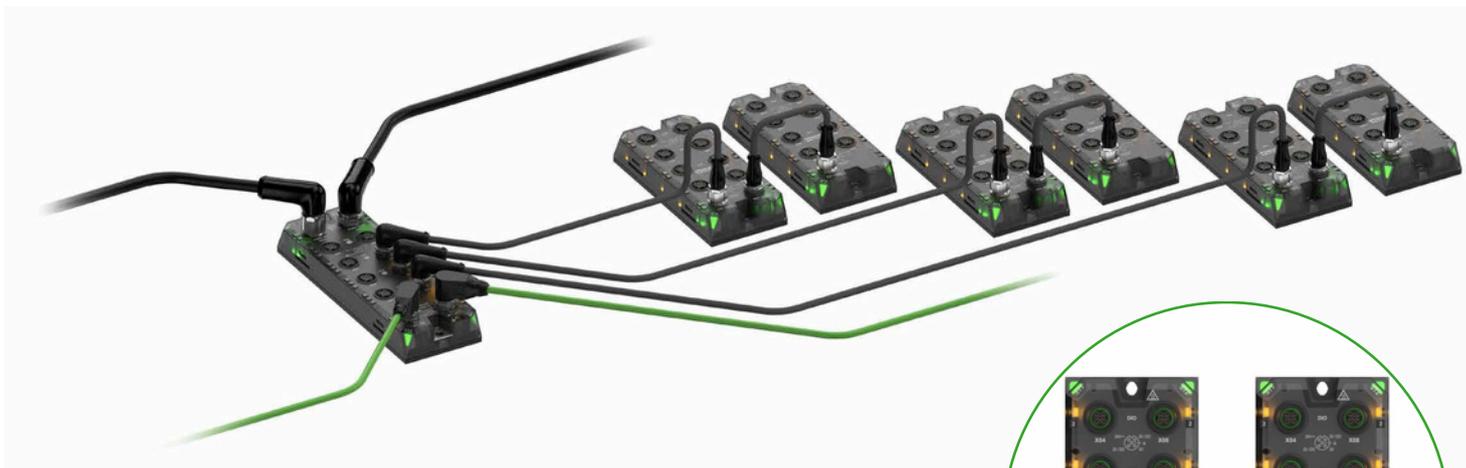
IO-LINK CONNECTIVITY 2.0

IO-LINK DAISY-CHAIN WITH PURE.IO

Less effort. More connectivity. More possibilities for decentralized installations. In addition to daisy-chain power and fieldbus via the IO-Link master, the new pure.IO IO-Link I/O modules now also enable IO-Link daisy-chaining.

IO-Link taken to the next level. No port loss. Greater range. Maximum flexibility.

- Daisy-chain for power, fieldbus and IO-Link
- Up to 256 I/Os per master
- Up to 40 m connection length thanks to IO-Link extension port (2 x 20 m)
- Plug & Play – no configuration or parameterization necessary



YOUR ADVANTAGES:

- Significantly less cabling and installation effort
- Versatile installation options and maximum flexibility
- Lower costs
- Fast diagnosis and easy maintenance

INNOVATION IN A NEW FORM

ULTRA-COMPACT & LIGHTWEIGHT:

- 20 % more compact and 2.5 times lighter *
- Most compact and lightweight IO-Link master with power and fieldbus daisy-chaining

* as conventional fieldbus modules

ENVIRONMENTALLY FRIENDLY:

- Plastic housing without potting
- Components can be separated and recycled
- Saves space, material and energy when mounted on moving plant components

INNOVATIVE STATUS INDICATION



360° view

Unique lighting thanks to integrated corner LEDs provides a 360° view of the module status.



Maximum visibility

The diagnostic and status LEDs are fully visible from all sides.



Transparent process control

Three LEDs per port make every step in the process immediately visible.

PURE.IO PRODUCT FAMILY



IO-Link Master (A/B) IOL8 DIO8		
Power	Protocol	Art.-No.
M12-L	PROFINET (Default) + Multiprotocol	500A-PLMM1-DLAL000
M12-L	EtherNet/IP (Default) + Multiprotocol	500A-PLMM2-DLAL000
M12-L	EtherCAT (Default) + Multiprotocol	500A-PLMM3-DLAL000



IO-Link Master (A/B) IOL8 DI8		
Power	Protocol	Art.-No.
M12-A	PROFINET (Default) + Multiprotocol	500A-PLMM1-DAAL100
M12-A	EtherNet/IP (Default) + Multiprotocol	500A-PLMM2-DAAL100
M12-A	EtherCAT (Default) + Multiprotocol	500A-PLMM3-DAAL100



IO-Link I/O module DIO16 (CG)			
I/O	Protocol	PNP/NPN	Art.-No.
M12-A	IOL Class A (+P24)	PNP	500A-PIOIC-AOAO000
M12-A	IOL Class A (+P24)	NPN	500A-PIOIC-AOAN000



IO-Link I/O module DIO16 (CG) with extension port			
I/O	Protocol	PNP/NPN	Art.-No.
M12-A	IOL Class A (+P24)	PNP	500A-PIOIC-AOAO00E
M12-A	IOL Class A (+P24)	NPN	500A-PIOIC-AOAN00E

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.