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OPRIPIOL04

Modulo Gateway IO-Link Stand Alone

Reduced Data sheet

Version: 1

Date: 02.02.2026

Overview



The OPRIPOL04 is an IO-Link master controller and enables the connection of up to four IO-Link devices (sensors or actuators) with a point-to-point connection.

The module acts as a gateway between the fieldbus level (EtherCAT) and the IO-Link protocol. The protocol enables bidirectional data exchange between the master controller and IO-Link devices. IO-Link devices can be parameterized with service data using the IO-Link configurator, available within the EtherCAT master controller, provided by ISAC.

The module is compatible with any master controller conforming to the EtherCAT standard.

The module complies with protection class IP67 and is designed to be used outside the electrical cabinet.

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Part Number

Code

Code	Description	IO Interfaces
OPRIPIOL04	EtherCat Box IP67 Master IO-Link 4 Channels Class A M12 Connection	Nr.4 IO-Link Port A Class Nr.4 Digital Input

Product status

Item	Value
Status	In production: suitable for new application
In production from:	Jan 2023
In production at least until:	Dec 2028

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Technical data summary

Bus Interface	
Protocol	EtherCAT
Connection	2x M12 socket (D code)
Power requirements	
Bus Input Voltage	Nominal 24Vdc
BUS Power Consumption	Typical 100mA
Peripheral Voltage	Nominal 24Vdc
Environment	
Operating temperature	0 ... 50 °C
Storage Temperature	-10 ... 70 °C [The environment during transportation and storage must be dry and free from dust]
Humidity	Up to 90% without condensation
Overall Dimension	Approx. 130mm (H) x 62mm (W) x 35mm (D)
Weight	Approx. 400 gr.
Protection Class	IP67
Hardware Diagnostics	
EtherCAT Status	Green LED
EtherCAT Error	Red LED
IO-Link status	2x Green LED for each channel
Power Supply status	2x Blue LED
Software Diagnostic	
Temperature	High temperature detection
Firmware	Upgradeable with flash technology via EtherCAT® fieldbus (FOE)
I/O Interfaces	
IO-Link ports	No.4 Channel Class A v.1.1 (*)
Sensor supply L+	24Vdc 0.5A
Input ports	No.4 Additional Input ports
Input Voltage	Nominal 24Vdc
Connection	4x M12 socket (A code)
Installation	No.2 mounting holes 4.5mm for M4

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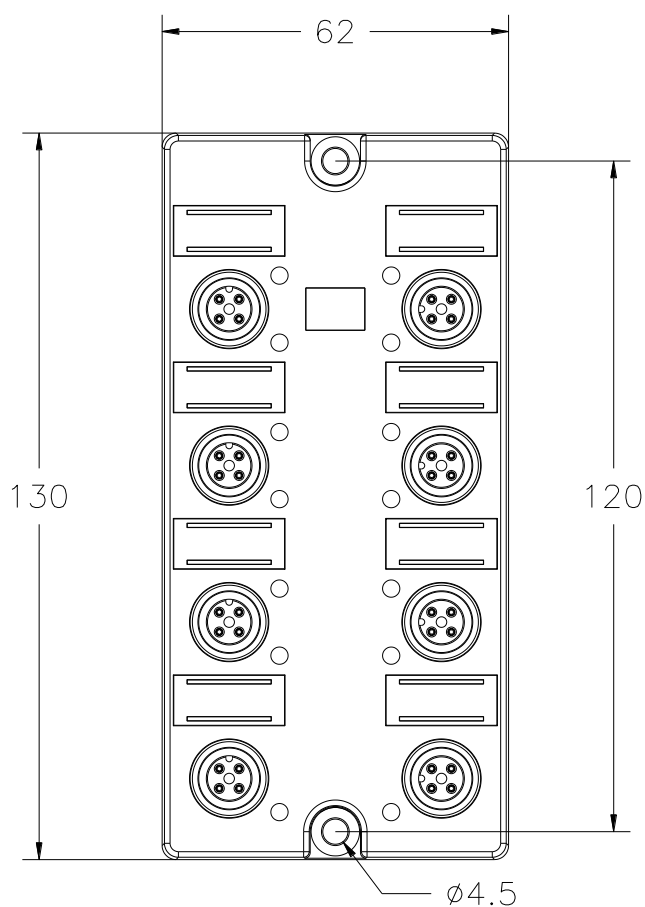
(*) Each IO-Link port can be configured as: IO-Link line or traditional input, or traditional output with 24Vdc nominal voltage level.

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Certifications

Certification	Description
CE	EU Declaration of Conformity: EMC Directive 2014/30/UE Standards used: EN 61000-6-2:2019 EN 61000-6-4:2019 EN 63000:2028
RoHS	Declaration of Conformity: RoHS Directive 2011/65/EU
Origin	Italy
CRA	Yes (pending)

Layout and dimension



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Reference documents

Full technical data sheet: OPRIPOL04