



IO-Link

IO-Link meets AS-i



IO-link masters
AS-i Coolant / Food



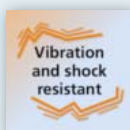
IO-Link master modules for the AS-i wiring system

4-port IO-Link module, supplied via AS-i and AUX

2-port IO-Link module, only supplied via AS-i

An integrated parameter memory simplifies sensor replacement

Field module with IP 69K for the food industry



IO-Link master for the AS-i wiring system

The decentralised AS-i IO-Link master modules serve as a gateway between intelligent IO-Link sensors and the AS-Interface field bus. They combine the advantages of the AS-i wiring system with standardised IO-Link communication. IO-Link enables detailed diagnostics of the connected sensors or actuators and can therefore increase machine uptime. The integrated parameter memory of the IO-Link master also allows easy sensor replacement.

Robust field bus modules for demanding applications

Thanks to their special housing materials and high ingress resistance (IP 67 or IP 69K) of the grey modules, they can be used in coolant applications or directly in wet areas in the food industry. The ecolink technology guarantees reliable, permanently ingress-resistant M12 connections of the connection cables.



Advantages and customer benefits

• Use as masters for the food industry

These masters can now also be used in hygienic applications due to the materials used and their innovative housing design.

• Easy sensor connection

The sensors and actuators are connected via standard M12 connection cables. Screening is not required. While the 4-port module is supplied with a total of up to 2 x 550 mA via AS-i and AUX, the 2-port module with a total of up to 300 mA only needs to be supplied via the AS-i cable.

Moreover, it is possible to feed in additional auxiliary power via Y cable if more powerful IO-Link actuators need to be connected.

• Secure digital data

The sensor data is transferred digitally. Unlike analogue signals, contact resistance and EMC interference cannot corrupt the signals. The cable can be up to 20 m long.

• Easy set-up

Depending on the process data length of the connected IO-Link sensors, additional virtual AS-i slaves can be activated via ID1. This allows easy transmission of all data of the IO-Link sensors via AS-i.

Connection technology

Type	Description	Order no.	
		Coolant	Food

M12 connection cable 1 mm² (AS-i and AUX)

	0.25 m	EVC716	EVF490
	0.5 m	EVC717	EVF491
	1 m	EVC718	EVF492
	2 m	EVC719	EVF493
	5 m	EVC720	EVF494
	10 m	EVC721	EVF495
	20 m	EVC722	EVF496

M12 connection cable 0.34 mm² (sensor)

	1 m	EVC042	EVF042
	2 m	EVC043	EVF043
	5 m	EVC044	EVF044
	10 m	EVC493	EVF045

Y splitter (adapter A port / B port)

	1 m	EVC693	EVF693
	2 m	EVC694	EVF694
	5 m	EVC695	EVF695
	10 m	EVC696	EVF696

Products

Type	Description	Order no.	
		Coolant	Food

AS-i IO-Link master

	4-port (AS-i and AUX)	AC6000	AC6001
	2-port (AS-i)	AC6002	AC6003

Technical data	AC6000 AC6001	AC6002 AC6003
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Sensor and master supply	AS-i / AUX	AS-i
Operating voltage	[V DC] 18...31.6; (AS-i)	26...31.6; (AS-i)
Additional voltage supply	[V DC] 20...30 DC; (AUX)	-
Current for all ports (device supply)	[mA] 550 (AUX)	300 (AS-i)
IO-Link version	1.1	
Number of IO-Link ports	4 A ports	2 A ports
Number of binary inputs	4 + 4	2 + 2
Number of binary inputs	4	2
Parameter memory	•	
Number of AS-i slaves	1...5	
AS-i profile	S-7.4.E (CTT1 input)	
Other AS-i profiles	S-7.3.E (CTT1 input) S-7.3.2 (CTT1 output)	
Ambient temperature	[°C] -25...80	
Protection rating	AC6000, AC6002 AC6001, AC6003	IP 65, IP 67 IP 65, IP 67, IP 69K
Housing materials	polyamide; socket: AC6000, AC6002 nickel-plated brass AC6001, AC6003 stainless steel	

Accessories

Description	Order no.
Coolant, M12 protective caps (10 pcs)	E73004
Food, M12 protective caps (4 pcs, high-grade stainless steel)	E12542
AS-Interface flat cable insulation displacement connector Coolant Connector M12, PA 6.6-GF25 (AC6000)	E70587
AS-Interface flat cable insulation displacement connector Food M12 connector, stainless steel, FKM, EPDM (AC6001)	E70354
AS-Interface flat cable insulation displacement connector Coolant M12 connector, PA 6.6-GF25 (AC6002)	E70096
AS-Interface flat cable insulation displacement connector Food M12 connector, stainless steel, FKM, EPDM (AC6003)	E70454