



Industrial communication



IO-Link master meets wiring system



IO-Link master
AS-i Coolant / Food



Perfect completion of the AS-i wiring system

4 IO-Link ports with full V1.1 functionality

An integrated parameter memory facilitates sensor replacement

Extended diagnostics for IO-Link devices

Field module with IP 69K for the food industry



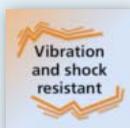
IO-Link



AS-Interface



Diagnostics



Vibration and shock resistant



IP 67



IP 69 K

IO-Link master for the AS-i wiring system

The decentralised IO-Link master modules serve as a gateway between intelligent IO-Link sensors and the AS-Interface field bus. With the 4-port IO-Link master you combine the advantages of the AS-i wiring system with the standardised IO-Link communication.

IO-Link provides detailed sensor or actuator diagnostics and allows you to increase machine uptime. The integrated parameter memory of the IO-Link master also allows easy sensor replacement during night shifts.

Robust field bus modules for demanding applications

Thanks to their special housing materials and high ingress resistance (IP 67 or IP 69K), 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 without screening. Up to four IO-Link sensors can be connected and supplied with up to 2 x 550 mA in total.

With the EVC693 or EVF693 accessories, additional auxiliary power for the connection of IO-Link actuators can be supplied. The cable can be up to 20 m long.

• Reliable digital data

The sensor data is transferred digitally. Unlike analogue signals, contact resistance and EMC interference cannot corrupt the signals.

• 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

Design	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

Design	Description	Order no.	
		Coolant	Food

AS-i IO-Link master

	4-port	AC6000	AC6001

Technical data

AS-i IO-Link master AC6000, AC6001		
Sensor and master supply		AS-i and AUX
Operating voltage	[V]	18...31.6 DC; (AS-i)
Additional voltage supply	[V]	20...30 DC; (AUX)
Current for all ports (device supply)	[mA]	550 (AUX)
IO-Link version		1.1
Number of IO-Link ports		4 A ports
Number of binary inputs		4 + 4
Number of binary outputs		4
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	AC6000 AC6001	IP 65, IP 67 IP 65, IP 67, IP 69K

Housing materials

polyamide;
socket AC6000:
nickel-plated brass
socket AC6001:
stainless steel

Accessories

Design	Description	Order no.
	Coolant, protective caps M12 (10 pcs)	E73004
	Food, protective caps M12, 4 pcs, high-grade stainless steel	E12542
	AS-Interface flat cable insulation displacement connector Coolant M12 connector, PA 6.6-GF25	E70487
	AS-Interface flat cable insulation displacement connector Food M12 connector, stainless steel, FKM, EPDM	E70354