

Data sheet | Item number: 765-1702/200-000

8-channel digital input/output; IO Link Class A Hub; DC 24 V / 2.0 A; 8xM8 connection; HubLine



www.wago.com/765-1702/200-000



Data

Technical data

IO-Link

Communication

IO-Link slave (class A)

IO-Link Class A Slave

Connection technology: communication/fieldbus

1 x A-coded M12; 5-pole

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG

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Device functions

Parameter	Input filter Output current Temperature
Diagnostics	Undervoltage; Overcurrent; Overload; Overtemperature

Digital inputs/outputs

Number of digital inputs	8
Number of digital outputs	8
Anschlussstechnik: Ein-/Ausgänge	8 x M8; 3-pole
Signal type (voltage)	24 VDC
Input characteristic	High-side switching
Input filter	0.2 ... 20 ms
Input characteristic	Type 3, per IEC 61131-2
Output current (per channel)	2 A

Supply

Anschlussstechnik: Versorgung	1 x A-coded M12; 5-pole; via IO-Link port (1L)
Supply voltage	24 VDC (18 ... 31.2 V); 1L
Current consumption (max.)	4000 mA
Current consumption (note)	1L: 0.2 A + load current
Reverse voltage protection	Yes

Physical data

Width	35 mm / 1.378 inches
Height	30 mm / 1.181 inches
Depth	158.5 mm / 6.24 inches

Mechanical data

Weight	120 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	-25 ... +70 °C
Surrounding air temperature (storage)	-40 ... +80 °C

Subject to changes. Please also observe the further product documentation!




Protection type	IP67
Protection class	III per EN 61140, IEC 61140, VDE 0140-1
Operating altitude	0 ... 2000 m / 0 ... 6562 ft
Pollution degree (5)	3 (EN 60664-1)
Overvoltage category	II (EN 60664-1)
Vibration resistance	5g per IEC 60068-2-6
Shock resistance	Short-term: 50g/11 ms/half-sine per IEC 60068-2-27; Long-term: 30g/6 ms/half-sine per IEC 60068-2-29
EMC immunity to interference	per EN 61000-6-2
EMC emission of interference	per EN 61000-6-4

Commercial data

ETIM 8.0	EC001599
ETIM 7.0	EC001599
PU (SPU)	1 Stück
Packaging type	box
Country of origin VKOrg Germany	DE
GTIN	4055143950039
Customs tariff number VKOrg Germany	85371098990

Required accessories

Cover

Cover		
	Item no.: 756-8103 M12 protective cap; for unused plugs	www.wago.com/756-8103
	Item no.: 756-8101 M8 protective cap; for unused sockets	www.wago.com/756-8101

Tool

Assembly tool		
	Item no.: 206-701 Torque wrench M8 and M12; Assembly kit	www.wago.com/206-701

Marking accessories

Marking strip		
	Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
Marker		
	Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115

Subject to changes. Please also observe the further product documentation!

Compatible products

Cables and pluggable connectors

Sensor/actuator cable

Item no.: 756-5402/050-010

Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 5-pole; Length: 1 m

www.wago.com/756-5402/050-010

Item no.: 756-5501/030-020

Sensor/Actuator cable; M12A socket; straight; M8 plug; straight; 3-pole; Length: 2 m

www.wago.com/756-5501/030-020



Item no.: 756-5502/030-010

Sensor/Actuator cable; M12A socket; straight; M8 plug; angled; 3-pole; Length: 1 m

www.wago.com/756-5502/030-010



Item no.: 756-5502/030-020

Sensor/Actuator cable; M12A socket; straight; M8 plug; angled; 3-pole; Length: 2 m

www.wago.com/756-5502/030-020

Item no.: 756-5503/030-010

Sensor/Actuator cable; M12A socket; angled; M8 plug; straight; 3-pole; Length: 1 m

www.wago.com/756-5503/030-010

Item no.: 756-5503/030-020

Sensor/Actuator cable; M12A socket; angled; M8 plug; straight; 3-pole; Length: 2 m

www.wago.com/756-5503/030-020

Item no.: 756-5301/050-015

Sensor/Actuator cable; M12A socket; straight; 5-pole; Length: 1.5 m

www.wago.com/756-5301/050-015

Item no.: 756-5111/030-015

Sensor/Actuator cable; M8 plug; straight; 3-pole; Length: 1.5 m

www.wago.com/756-5111/030-015

Item no.: 756-5111/030-050

Sensor/Actuator cable; M8 plug; straight; 3-pole; Length: 5 m

www.wago.com/756-5111/030-050

Item no.: 756-5111/030-100

Sensor/Actuator cable; M8 plug; straight; 3-pole; Length: 10 m

www.wago.com/756-5111/030-100

Item no.: 756-5112/030-100

Sensor/Actuator cable; M8 plug; angled; 3-pole; Length: 10 m

www.wago.com/756-5112/030-100

Item no.: 756-5112/030-015

Sensor/Actuator cable; M8 plug; angled; 3-pole; Length: 1.5 m

www.wago.com/756-5112/030-015

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Item no.: 756-5112/030-050
Sensor/Actuator cable; M8 plug; angled; 3-pole; Length: 5 m

www.wago.com/756-5112/030-050

Item no.: 756-5302/050-050
Sensor/Actuator cable; M12A socket; angled; 5-pole; Length: 5 m

www.wago.com/756-5302/050-050

Item no.: 756-5302/050-100
Sensor/Actuator cable; M12A socket; angled; 5-pole; Length: 10 m

www.wago.com/756-5302/050-100

Item no.: 756-5404/050-020
Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 5-pole; Length: 2 m

www.wago.com/756-5404/050-020

Item no.: 756-5404/050-010
Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 5-pole; Length: 1 m

www.wago.com/756-5404/050-010

Item no.: 756-5201/030-010
Sensor/Actuator cable; M8 socket; straight; M8 plug; straight; 3-pole; Length: 1 m

www.wago.com/756-5201/030-010

Item no.: 756-5201/030-020
Sensor/Actuator cable; M8 socket; straight; M8 plug; straight; 3-pole; Length: 2 m

www.wago.com/756-5201/030-020

Item no.: 756-5202/030-020
Sensor/Actuator cable; M8 socket; straight; M8 plug; angled; 3-pole; Length: 2 m

www.wago.com/756-5202/030-020

Item no.: 756-5202/030-010
Sensor/Actuator cable; M8 socket; straight; M8 plug; angled; 3-pole; Length: 1 m

www.wago.com/756-5202/030-010

Item no.: 756-5203/030-010
Sensor/Actuator cable; M8 socket; angled; M8 plug; straight; 3-pole; Length: 1 m

www.wago.com/756-5203/030-010

Item no.: 756-5203/030-020
Sensor/Actuator cable; M8 socket; angled; M8 plug; straight; 3-pole; Length: 2 m

www.wago.com/756-5203/030-020

Item no.: 756-5302/050-015
Sensor/Actuator cable; M12A socket; angled; 5-pole; Length: 1.5 m

www.wago.com/756-5302/050-015



Item no.: 756-5204/030-020
Sensor/Actuator cable; M8 socket; angled; M8 plug; angled; 3-pole; Length: 2 m

www.wago.com/756-5204/030-020

Subject to changes. Please also observe the further product documentation!



Item no.: 756-5204/030-010

Sensor/Actuator cable; M8 socket; angled; M8 plug; angled; 3-pole; Length: 1 m

www.wago.com/756-5204/030-010

Item no.: 756-5501/030-010

Sensor/Actuator cable; M12A socket; straight; M8 plug; straight; 3-pole; Length: 1 m

www.wago.com/756-5501/030-010

Item no.: 756-5402/050-020

Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 5-pole; Length: 2 m

www.wago.com/756-5402/050-020

Item no.: 756-5403/050-020

Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 5-pole; Length: 2 m

www.wago.com/756-5403/050-020

Item no.: 756-5403/050-010

Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 5-pole; Length: 1 m

www.wago.com/756-5403/050-010

Item no.: 756-5301/050-100

Sensor/Actuator cable; M12A socket; straight; 5-pole; Length: 10 m

www.wago.com/756-5301/050-100

Item no.: 756-5301/050-050

Sensor/Actuator cable; M12A socket; straight; 5-pole; Length: 5 m

www.wago.com/756-5301/050-050

Item no.: 756-5401/050-010

Sensor/Actuator cable; M12A socket; straight; M12A plug; straight; 5-pole; Length: 1 m

www.wago.com/756-5401/050-010

Item no.: 756-5401/050-020

Sensor/Actuator cable; M12A socket; straight; M12A plug; straight; 5-pole; Length: 2 m

www.wago.com/756-5401/050-020

Item no.: 756-5504/030-010

Sensor/Actuator cable; M12A socket; angled; M8 plug; angled; 3-pole; Length: 1 m

www.wago.com/756-5504/030-010

Item no.: 756-5504/030-020

Sensor/Actuator cable; M12A socket; angled; M8 plug; angled; 3-pole; Length: 2 m

www.wago.com/756-5504/030-020

Configurable connectors

Item no.: 756-9102/030-000

Fitted pluggable connector; 3-pole; M8 plug, straight; IDC technology

www.wago.com/756-9102/030-000



Item no.: 756-9105/030-000

Fitted pluggable connector; 3-pole; M8 plug, right angle; IDC technology

www.wago.com/756-9105/030-000

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Downloads

Documentation

Manual

8-Channel Digital Input/Output; IO-Link Class A Hub DC 24 V / 2.0 A; 8xM8 Connection; HubLine	V 2.0.0 2022 Jul 19	pdf 3.7 MB	Download
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System Description

WAGO I/O System Field; General Product Information		pdf 1.0 MB	Download
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Engineering-Software

WAGO IO-Link Configurator

WAGO IO-Link Configurator	V5.1.1-6618 2022 Feb 16	ZIP 91.8 MB	Download
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WAGO IO-Link Configurator allows configuration, parameterization, operation and monitoring of WAGO IO-Link Masters in the WAGO I/O System 750 and WAGO I/O System Field, and especially of the WAGO IO-Link devices connected to them.

Additionally, WAGO IO-Link Configurator can be used for complete configuration and operation of all IO-Link devices of third-party manufacturers, as long as they comply with the IO-Link specification. A product's process data can be visualized graphically and stored in trend curves. Up to eight elements can be selected for visualization, and the data can be recorded for up to 24 hours.

Device description files for the IO-Link Masters (IOLM) or IO-Link Devices (IODD) can be used to integrate new devices into the tool at any time. Convenient access to the IO-Link user organization's IODDfinder is available for the IODDs. This allows automated, selective download of IODDs when integrating new IO-Link devices. An integrated IODD viewer allows detailed insight into the IODD device description.

WAGO IO-Link Configurator can be used either as a standalone program or integrated into engineering systems with a TCI interface and *WAGO-I/O-CHECK*.

IO-Link Configurator can also be used to integrate the IO-Link Master (750-657) of the WAGO I/O System 750 Series and to access all the configurator's functions. This is made possible by the WAGO I/O System 750 IO-Link Adapter, which can be retrofitted. The WAGO I/O System 750 IO-Link Adapter requires the current version of WAGO IO-Link Configurator and a current version of *WAGO-I/O-CHECK*.

In addition, the download file contains the device descriptions for the respective fieldbus systems of the WAGO I/O System Field modules. These are pre-installed in the Configurator setup.

The WAGO IO-Link Configurator license is assigned to the specific PC on which it is installed (a workstation license).

Register now and test our engineering software for 30 days at no cost.

Runtime Software

Firmware

0765-17xx, IO-Field	V 01	zip	Download
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2D/3D Models 765-1702/200-000

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8-channel digital input/output; IO Link Class A Hub; DC 24 V / 2.0 A; 8xM8 connection; HubLine

Installation Notes

Product family

WAGO I/O System Field

[Show all products from the family](#)

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