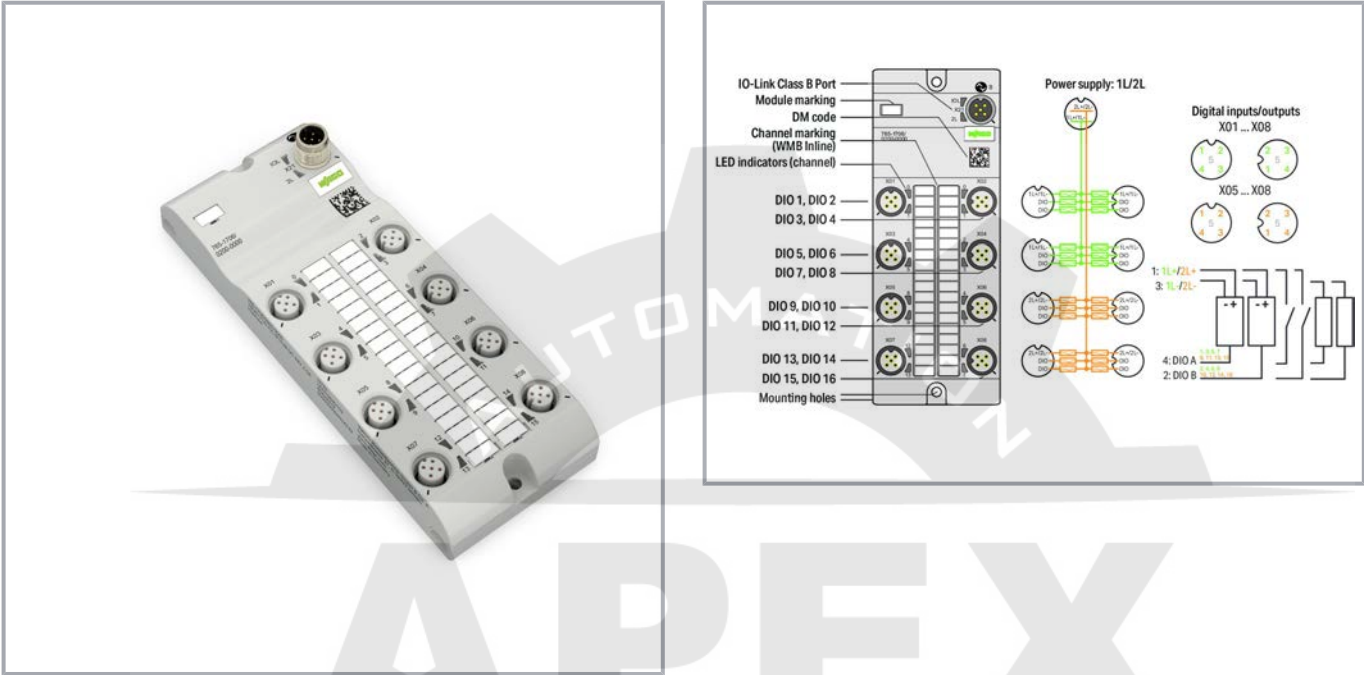




Data
Technical data

IO-Link

Communication	IO-Link
Connection technology: communication/fieldbus	1 x A-coded M12; 5-pole

Device Functions

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

Digital inputs/outputs

Number of digital inputs	16
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Subject to changes. Please also observe the further product documentation!

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Number of digital outputs	16
Connection technology: inputs / outputs	8 x A-coded M12; 5-pole
Voltage signal type	DC 24 V
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

Power Supply

Connection technology: supply	1 x A-coded M12; 5-pole; via IO-Link port (1L/2L)
Supply voltage	24 VDC (18 ... 31.2 V); 1L/2L
Power consumption (max.)	4000 mA
Power consumption (note)	1L: 0.2 A; 2L: 0.1 A; + load current
Reverse voltage protection	Yes

Geometrical Data

Width	60 mm / 2.362 inch
Height	30 mm / 1.181 inch
Depth	158.5 mm / 6.24 inch

Mechanical Data

Weight	170 g
Conformity marking	CE

Environmental Requirements

Surrounding air temperature (operation)	-25 ... 70 °C
Surrounding air temperature (storage)	-40 ... 80 °C
Protection type	IP67
Protection class	III per EN 61140, IEC 61140, VDE 0140-1
Operating altitude	0 ... 2000 m
Pollution degree (5)	3 per 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

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Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055143949873
Customs tariff number	8537109170

Required accessories

Cover

	Item no.: 756-8102 M12 protective cap; for unused sockets	www.wago.com/756-8102
	Item no.: 756-8103 M12 protective cap; for unused plugs	www.wago.com/756-8103

Marking accessories

	Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
	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

Tools

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

Cables and pluggable connectors

	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.: 756-5301/050-050 Sensor/Actuator cable; M12A socket; straight; 5-pole; Length: 5 m	www.wago.com/756-5301/050-050
	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.: 756-5302/050-015 Sensor/Actuator cable; M12A socket; angled; 5-pole; Length: 1.5 m	www.wago.com/756-5302/050-015

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✓	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.: 756-5311/040-015 Sensor/Actuator cable; M12A plug; straight; 4-pole; Length: 1.5 m	www.wago.com/756-5311/040-015
✓	Item no.: 756-5311/040-050 Sensor/Actuator cable; M12A plug; straight; 4-pole; Length: 5 m	www.wago.com/756-5311/040-050
✓	Item no.: 756-5311/040-100 Sensor/Actuator cable; M12A plug; straight; 4-pole; Length: 10 m	www.wago.com/756-5311/040-100
✓	Item no.: 756-5312/040-015 Sensor/Actuator cable; M12B socket; straight; 4-pole; Length: 1.5 m	www.wago.com/756-5312/040-015
✓	Item no.: 756-5312/040-050 Sensor/Actuator cable; M12B socket; straight; 4-pole; Length: 5 m	www.wago.com/756-5312/040-050
✓	Item no.: 756-5312/040-100 Sensor/Actuator cable; M12B socket; straight; 4-pole; Length: 10 m	www.wago.com/756-5312/040-100
○	Item no.: 756-5401/040-010 Sensor/Actuator cable; M12A socket; straight; M12A plug; straight; 4-pole; Length: 1 m	www.wago.com/756-5401/040-010
○	Item no.: 756-5401/040-020 Sensor/Actuator cable; M12A socket; straight; M12A plug; straight; 4-pole; Length: 2 m	www.wago.com/756-5401/040-020
○	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.: 756-5402/040-010 Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 4-pole; Length: 1 m	www.wago.com/756-5402/040-010

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Item no.: 756-5402/040-020 Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 4-pole; Length: 2 m	www.wago.com/756-5402/040-020
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.: 756-5402/050-020 Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 5-pole; Length: 2 m	www.wago.com/756-5402/050-020
Item no.: 756-5403/040-010 Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 4-pole; Length: 1 m	www.wago.com/756-5403/040-010
Item no.: 756-5403/040-020 Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 4-pole; Length: 2 m	www.wago.com/756-5403/040-020
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.: 756-5403/050-020 Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 5-pole; Length: 2 m	www.wago.com/756-5403/050-020
Item no.: 756-5404/040-010 Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 4-pole; Length: 1 m	www.wago.com/756-5404/040-010
Item no.: 756-5404/040-020 Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 4-pole; Length: 2 m	www.wago.com/756-5404/040-020
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.: 756-5404/050-020 Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 5-pole; Length: 2 m	www.wago.com/756-5404/050-020
Item no.: 756-5507/040-010 Sensor/Actuator cable; M8 socket; straight; M12A plug; straight; 4-pole; Length: 1 m	www.wago.com/756-5507/040-010
Item no.: 756-5507/040-020 Sensor/Actuator cable; M8 socket; straight; M12A plug; straight; 4-pole; Length: 2 m	www.wago.com/756-5507/040-020

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	Item no.: 756-5508/040-010 Sensor/Actuator cable; M8 socket; straight; M12A plug; angled; 4-pole; Length: 1 m	www.wago.com/756-5508/040-010
	Item no.: 756-5508/040-020 Sensor/Actuator cable; M8 socket; straight; M12A plug; angled; 4-pole; Length: 2 m	www.wago.com/756-5508/040-020
	Item no.: 756-5509/040-010 Sensor/Actuator cable; M8 socket; angled; M12A plug; straight; 4-pole; Length: 1 m	www.wago.com/756-5509/040-010
	Item no.: 756-5509/040-020 Sensor/Actuator cable; M8 socket; angled; M12A plug; straight; 4-pole; Length: 2 m	www.wago.com/756-5509/040-020
	Item no.: 756-5510/040-010 Sensor/Actuator cable; M8 socket; angled; M12A plug; angled; 4-pole; Length: 1 m	www.wago.com/756-5510/040-010
	Item no.: 756-5510/040-020 Sensor/Actuator cable; M8 socket; angled; M12A plug; angled; 4-pole; Length: 2 m	www.wago.com/756-5510/040-020
	Item no.: 756-5513/040-010 Sensor/Actuator cable; 2xM8 socket; straight; M12A plug; straight; 4-pole; Length: 1 m	www.wago.com/756-5513/040-010
	Item no.: 756-5513/040-020 Sensor/Actuator cable; 2xM8 socket; straight; M12A plug; straight; 4-pole; Length: 2 m	www.wago.com/756-5513/040-020
	Item no.: 756-5514/040-010 Sensor/Actuator cable; 2xM8 socket; angled; M12A plug; straight; 4-pole; Length: 1 m	www.wago.com/756-5514/040-010
	Item no.: 756-5514/040-020 Sensor/Actuator cable; 2xM8 socket; angled; M12A plug; straight; 4-pole; Length: 2 m	www.wago.com/756-5514/040-020
	Item no.: 756-9202/050-000 Accessories; 5-pole	www.wago.com/756-9202/050-000
	Item no.: 756-9205/050-000 Accessories; 5-pole	www.wago.com/756-9205/050-000
	Item no.: 756-9212/050-000 Accessories; 5-pole	www.wago.com/756-9212/050-000

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	Item no.: 756-9215/050-000 Accessories; 5-pole	www.wago.com/756-9215/050-000
	Item no.: 756-9301/040-000 Accessories; 4-pole	www.wago.com/756-9301/040-000
	Item no.: 756-9301/050-000 Accessories; 5-pole	www.wago.com/756-9301/050-000

Downloads

Documentation

Manual

16-Channel Digital Input/Output; IO Link Class B Hub DC 24 V / 2.0 A; 8xM12 Connection; HubLine	V 1.1.0 Jan 1, 2021	pdf 2.9 MB	Download
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System Description

WAGO I/O System Field; General Product Information	pdf 708.2 kB	Download
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Engineering-Software

WAGO IO-Link Configurator

WAGO IO-Link Configurator	V5.1.1 Dec 17, 2020	ZIP 25.2 MB	Download
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The WAGO IO-Link Configurator is standalone commissioning, configuration and management software for the WAGO Field I/O System's IO-Link Master and Hubs.

It supports all IO-Link devices per the IO-Link specification and allows automatic download of IODDs via integrated IODD Finder.

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

Runtime Software

Firmware

IO-Field 765-17xx Firmware Download	01	zip 340.6 kB	Download
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CAD files

CAD data

2D/3D Models 765-1706/200-000	URL	Download
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CAE data

ZUKEN Portal 765-1706/200-000	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 765-1706/200-000	URL	Download
16-channel digital input/output; IO Link Class B Hub; DC 24 V / 2.0 A; 8xM12 connection; HubLine		

Installation Notes

Product family

I/O System Field
[Show all products from the family](#)

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