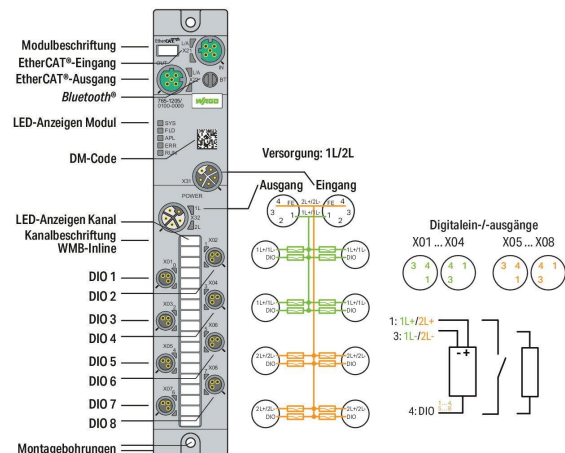


Data sheet | Item number: 765-1205/100-000

8-channel digital input/output; EtherCAT; DC 24 V / 2.0 A; 8xM8 connection;
SlimLine

www.wago.com/765-1205/100-000



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

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Item description

Application area:

Decentralized processing of digital signals

This device controls digital field devices (e.g., actuators) and records digital signals (e.g., sensors) that are sent or received by a higher-level controller.

The device offers 8 digital inputs/outputs.

Data

Technical data

Fieldbus

Communications	EtherCAT® AoE, EoE, FoE
Connection technology: communication/fieldbus	2 x D-coded M12; 4-pole
Interface standard	10BASE-T/100BASE-TX; potential-free
Autonegotiation; autocrossover	yes

Device functions

Parameter	Input filter Output current Temperature
Diagnostics	Undervoltage; Overcurrent; Overload; Overtemperature
Device functions	Bluetooth® OPC UA server
Visualization	Android/iOS app Web server

Digital inputs/outputs

Number of digital inputs	8
Number of digital outputs	8
Connection technology: inputs/outputs	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 (typ.) for DO

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

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Supply current per port	1L/2L: 4 A (max.)
-------------------------	-------------------

Supply (module)

Connection technology: supply	2 x L-coded M12; 5-pole
Supply voltage	24 VDC (18 ... 31.2 V); 1L/2L
Current consumption (max.)	16000 mA
Current consumption (note)	per supply line; overload- and short-circuit-protected
Reverse voltage protection	Yes

Physical data

Width	35 mm / 1.378 inches
Height	30 mm / 1.181 inches
Depth	210 mm / 8.268 inches

Mechanical data

Weight	390 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +80 °C
Protection type	IP67
Protection class	III per EN 61140, IEC 61140, VDE 0140-1
Operating altitude	0 ... 2000 m / 0 ... 6562 ft
Pollution degree	3 (EN 60664-1)
Overvoltage category	II (EN 60664-1)
Relative humidity (without condensation)	95 %
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 9.0	EC001599
ETIM 8.0	EC001599

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Recupel Type	
ECCN	NO DATA
PU (SPU)	1 pcs
Packaging type	BOX
Country of origin	DE
GTIN	4066966063059
Customs tariff number	85371098990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083
	KC National Radio Research Agency	Article 58-2, Clause 3	KC R-R- W43- FB765
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	-	E175199

Required accessories

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
Tool	

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Assembly tool

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

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

Optional accessories

Cables and pluggable connectors

Configurable Connector

	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
	Item no.: 756-9711/050-000 Fitted pluggable connector; 5-pole, shielded; M12 socket, straight; IDC technology	www.wago.com/756-9711/050-000
	Item no.: 756-9701/050-000 Fitted pluggable connector; 5-pole, shielded; M12 plug, straight; IDC technology	www.wago.com/756-9701/050-000

Sensor/actuator cable

	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

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**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.: 756-5111/030-015**

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**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.: 756-5201/030-010**

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

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**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.: 756-5204/030-020**

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

www.wago.com/756-5204/030-020**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.: 756-5504/030-010**

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

Power cable

**Item no.: 756-3501/050-075**

Power cable; M12L socket; straight; 5-pole; Length: 7.5 m

www.wago.com/756-3501/050-075**Item no.: 756-3501/050-100**

Power cable; M12L socket; straight; 5-pole; Length: 10 m

www.wago.com/756-3501/050-100**Item no.: 756-3501/050-150**

Power cable; M12L socket; straight; 5-pole; Length: 15 m

www.wago.com/756-3501/050-150**Item no.: 756-3501/050-050**

Power cable; M12L socket; straight; 5-pole; Length: 5 m

www.wago.com/756-3501/050-050**Item no.: 756-3502/050-050**

Power cable; M12L socket; angled; 5-pole; Length: 5 m

www.wago.com/756-3502/050-050**Item no.: 756-3502/050-150**

Power cable; M12L socket; angled; 5-pole; Length: 15 m

www.wago.com/756-3502/050-150

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Item no.: 756-3502/050-075
Power cable; M12L socket; angled; 5-pole; Length: 7.5 m

www.wago.com/756-3502/050-075



Item no.: 756-3502/050-100
Power cable; M12L socket; angled; 5-pole; Length: 10 m

www.wago.com/756-3502/050-100



Item no.: 756-3503/050-075
Power cable; M12L plug; straight; 5-pole; Length: 7.5 m

www.wago.com/756-3503/050-075



Item no.: 756-3503/050-150
Power cable; M12L plug; straight; 5-pole; Length: 15 m

www.wago.com/756-3503/050-150



Item no.: 756-3503/050-100
Power cable; M12L plug; straight; 5-pole; Length: 10 m

www.wago.com/756-3503/050-100



Item no.: 756-3505/050-003
Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 0.3 m

www.wago.com/756-3505/050-003



Item no.: 756-3505/050-005
Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 0.5 m

www.wago.com/756-3505/050-005



Item no.: 756-3505/050-020
Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 2 m

www.wago.com/756-3505/050-020



Item no.: 756-3505/050-010
Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 1 m

www.wago.com/756-3505/050-010



Item no.: 756-3505/050-050
Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 5 m

www.wago.com/756-3505/050-050



Item no.: 756-3505/050-075
Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 7.5 m

www.wago.com/756-3505/050-075



Item no.: 756-3505/050-100
Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 10 m

www.wago.com/756-3505/050-100

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Item no.: 756-3506/050-100

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 10 m

www.wago.com/756-3506/050-100



Item no.: 756-3506/050-075

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 7.5 m

www.wago.com/756-3506/050-075



Item no.: 756-3506/050-150

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 15 m

www.wago.com/756-3506/050-150



Item no.: 756-3501/050-020

Power cable; M12L socket; straight; 5-pole; Length: 2 m

www.wago.com/756-3501/050-020



Item no.: 756-3502/050-020

Power cable; M12L socket; angled; 5-pole; Length: 2 m

www.wago.com/756-3502/050-020



Item no.: 756-3503/050-020

Power cable; M12L plug; straight; 5-pole; Length: 2 m

www.wago.com/756-3503/050-020



Item no.: 756-3503/050-050

Power cable; M12L plug; straight; 5-pole; Length: 5 m

www.wago.com/756-3503/050-050



Item no.: 756-3504/050-020

Power cable; M12L plug; angled; 5-pole; Length: 2 m

www.wago.com/756-3504/050-020



Item no.: 756-3504/050-050

Power cable; M12L plug; angled; 5-pole; Length: 5 m

www.wago.com/756-3504/050-050



Item no.: 756-3504/050-075

Power cable; M12L plug; angled; 5-pole; Length: 7.5 m

www.wago.com/756-3504/050-075



Item no.: 756-3504/050-100

Power cable; M12L plug; angled; 5-pole; Length: 10 m

www.wago.com/756-3504/050-100



Item no.: 756-3504/050-150

Power cable; M12L plug; angled; 5-pole; Length: 15 m

www.wago.com/756-3504/050-150

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Item no.: 756-3505/050-150

Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 15 m

www.wago.com/756-3505/050-150



Item no.: 756-3506/050-003

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 0.3 m

www.wago.com/756-3506/050-003



Item no.: 756-3506/050-005

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 0.5 m

www.wago.com/756-3506/050-005



Item no.: 756-3506/050-020

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 2 m

www.wago.com/756-3506/050-020



Item no.: 756-3506/050-010

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 1 m

www.wago.com/756-3506/050-010



Item no.: 756-3506/050-050

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 5 m

www.wago.com/756-3506/050-050

Adapter



Item no.: 756-9503/040-000

Accessories; 4-pole

www.wago.com/756-9503/040-000



Item no.: 756-9504/040-000

Accessories; 4-pole

www.wago.com/756-9504/040-000

Configurable Shielded Connector



Item no.: 756-9501/060-000

Fitted pluggable connector; 4-pole, shielded; M12 plug, straight, D-coded; Spring

www.wago.com/756-9501/060-000



Item no.: 756-9501/040-000

Accessories; M12 plug, right angle; 4-pole

www.wago.com/756-9501/040-000

ETHERNET/PROFINET cable



Item no.: 756-1202/060-200

ETHERNET cable; M12D plug; angled; 4-pole; Length: 20 m

www.wago.com/756-1202/060-200

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Item no.: 756-1201/060-100
ETHERNET cable; M12D plug; straight; 4-pole; Length: 10 m

www.wago.com/756-1201/060-100



Item no.: 756-1201/060-050
ETHERNET cable; M12D plug; straight; 4-pole; Length: 5 m

www.wago.com/756-1201/060-050



Item no.: 756-1203/060-050
ETHERNET cable; M12D plug; straight; M12D plug; straight; 4-pole; Length: 5 m

www.wago.com/756-1203/060-050



Item no.: 756-1203/060-020
ETHERNET cable; M12D plug; straight; M12D plug; straight; 4-pole; Length: 2 m

www.wago.com/756-1203/060-020



Item no.: 756-1202/060-020
ETHERNET cable; M12D plug; angled; 4-pole; Length: 2 m

www.wago.com/756-1202/060-020



Item no.: 756-1201/060-200
ETHERNET cable; M12D plug; straight; 4-pole; Length: 20 m

www.wago.com/756-1201/060-200



Item no.: 756-1204/060-050
ETHERNET cable; M12D plug; angled; M12D plug; angled; 4-pole; Length: 5 m

www.wago.com/756-1204/060-050



Item no.: 756-1204/060-100
ETHERNET cable; M12D plug; angled; M12D plug; angled; 4-pole; Length: 10 m

www.wago.com/756-1204/060-100



Item no.: 756-1204/060-200
ETHERNET cable; M12D plug; angled; M12D plug; angled; 4-pole; Length: 20 m

www.wago.com/756-1204/060-200



Item no.: 756-1203/060-200
ETHERNET cable; M12D plug; straight; M12D plug; straight; 4-pole; Length: 20 m

www.wago.com/756-1203/060-200



Item no.: 756-1203/060-100
ETHERNET cable; M12D plug; straight; M12D plug; straight; 4-pole; Length: 10 m

www.wago.com/756-1203/060-100



Item no.: 756-1204/060-010
ETHERNET cable; M12D plug; angled; M12D plug; angled; 4-pole; Length: 1 m

www.wago.com/756-1204/060-010



Item no.: 756-1204/060-030
ETHERNET cable; M12D plug; angled; M12D plug; angled; 4-pole; Length: 3 m

www.wago.com/756-1204/060-030

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Item no.: 756-1204/060-020

ETHERNET cable; M12D plug; angled; M12D plug; angled; 4-pole; Length: 2 m

www.wago.com/756-1204/060-020

Item no.: 756-1202/060-050

ETHERNET cable; M12D plug; angled; 4-pole; Length: 5 m

www.wago.com/756-1202/060-050

Item no.: 756-1202/060-100

ETHERNET cable; M12D plug; angled; 4-pole; Length: 10 m

www.wago.com/756-1202/060-100

Item no.: 756-1201/060-020

ETHERNET cable; M12D plug; straight; 4-pole; Length: 2 m

www.wago.com/756-1201/060-020

Downloads

Documentation

Manual

Product Manual 8-Channel Digital Input/Output; EtherCAT; 24 VDC / 2.0 A; 8xM8 Connection; SlimLine	V 2.0.0 Jul 19, 2022	pdf 7.3 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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Application Notes

Application Note e!COCKPIT

e!COCKPIT Application Note EtherCAT IO-Field (a2022003) WAGO EtherCAT Master, EoE access with IO-Field devices	1.0.0 Mar 23, 2023	pptx 2.2 MB	Download
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Runtime Software

Firmware

0765-x2xx, EtherCat IO-Field WAGO_FW0765-x2xx_V01010021_IX04	V 04 Feb 2, 2023	zip 1.6 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 765-1205/100-000	URL	Download
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CAE data

EPLAN Data Portal 765-1205/100-000	URL	Download
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Asset Administration Shell

Asset Administration Shell 765-1205/100-000	URL	Download
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Device Files

Device Description File

Gerätebeschreibungsdateien 765-42xx, 765-12xx, EtherCAT	V1_1_0_22	zip 77.6 kB	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 765-1205/100-000	URL	Download
8-channel digital input/output; EtherCAT; DC 24 V / 2.0 A; 8xM8 connection; SlimLine		

Installation Notes

Product family

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

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