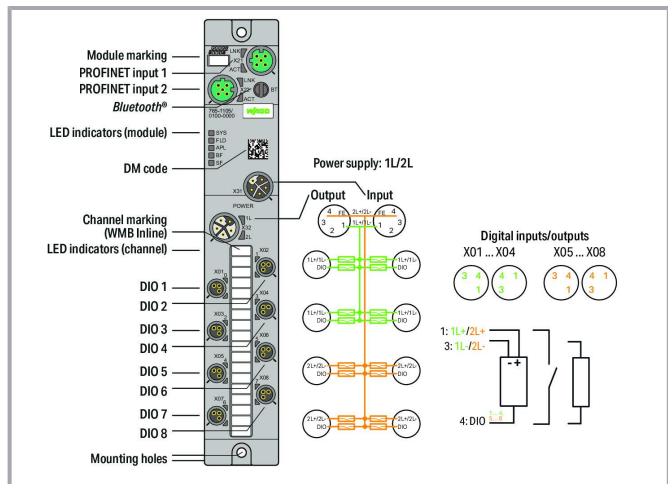


Data sheet | Item number: 765-1105/100-000

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

www.wago.com/765-1105/100-000



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Item description

Application:

Decentralized processing of digital signals

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

The device offers eight digital inputs/outputs.

Data

Technical data

Fieldbus

Communications	PROFINET PROFINET IO device; 2-port switch, LLDP, MRP, SNMP
Connection technology: communication/fieldbus	2 x D-coded M12; 4-pole
Interface standard	10BASE-T/100BASE-TX; potential-free
Autonegotiation; autocrossover	yes
PROFINET IO features	PROFINET IO device; 2-port switch, LLDP, MRP, SNMP

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!

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

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



Recupel Type	
ECCN	NO DATA
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143949705
Customs tariff number	85371098990

Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant, With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I
SCIP notification number (Austria)	fc81964e-bcd2-4fb0-8c80-389abc734aa6
SCIP notification number (Belgium)	292d81f3-f672-4e32-b971-8165fd63de3e
SCIP notification number (Bulgaria)	d0229fe5-1a4c-4edf-8d62-3e861bb4359b
SCIP notification number (Czech Republic)	56dca3ae-ac9c-492e-a5cc-0de06613f914
SCIP notification number (Denmark)	997246b1-459e-4ec7-bf6a-56081cfe27a4
SCIP notification number (Finland)	e707f48d-4e06-401b-8812-4990f23a331f
SCIP notification number (France)	98d57770-6820-4582-8901-0f6f20ca5c39
SCIP notification number (Germany)	854e0d9b-ee55-4440-8f99-bc29f43c91a9
SCIP notification number (Hungary)	fb650acb-6862-4853-a7c6-1f454e1297d9
SCIP notification number (Italy)	dd9ff4cc-127c-4353-a564-3364f513f146
SCIP notification number (Netherlands)	660457c3-5f7f-457d-bd92-22d1db1f2b10
SCIP notification number (Poland)	81687b15-dfd5-40ff-961d-8676755575e5
SCIP notification number (Romania)	3d5d0282-ef7e-4f25-86e3-4465c4b592ae
SCIP notification number (Sweden)	fbca236e-706d-40c8-9328-d64b37ca9bf5

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083
	KC	Article 58-2, Clause 3	KC R-R-

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National Radio Research Agency

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

Assembly tool



Item no.: 206-701
Torque wrench M8 and M12; Assembly kit

www.wago.com/206-701

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

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**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**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

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	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
	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		

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



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



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

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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



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

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**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**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

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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



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

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	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
	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; Profinet DC 24 V / 2.0 A; 8xM8 Connection; SlimLine	V 2.2.0 Jul 19, 2022	pdf 7.6 MB	Download
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Instruction Leaflet

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I/O System Field package insert

Dec 15, 2021

pdf
1.1 MB[Download](#)

System Description

WAGO I/O System Field; General Product Information

pdf
1.0 MB[Download](#)

Runtime Software

Firmware

0765-x1xx, Profinet IO-Field

V 04

zip

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WAGO_FW0765-x1xx_V01010021_IX04

Feb 2, 2023

1.6 MB

CAD/CAE-Data

CAD data

2D/3D Models 765-1105/100-000

URL

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CAE data

ZUKEN Portal 765-1105/100-000

URL

[Download](#)

EPLAN Data Portal 765-1105/100-000

URL

[Download](#)

Asset Administration Shell

Asset Administration Shell 765-1105/100-000

URL

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Device Files

Device Description File

750-916; GSD files of version 2.x for PROFINET/ series 750/753, 765, 767 and 852

3.0

URL

[Download](#)

Gerätebeschreibungsdateien 765-41xx, 765-11xx, PROFINET

URL

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Environmental Product Compliance

Compliance Search

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Environmental Product Compliance 765-1105/100-000

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

Installation Notes

Product family

WAGO I/O System Field

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

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Do you have any questions about our products?

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