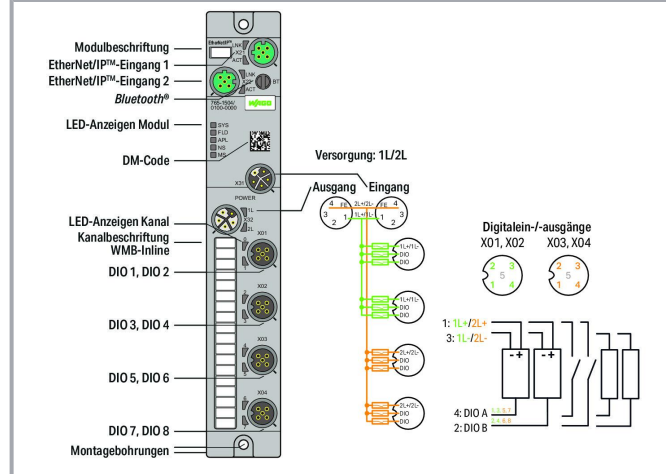


Data sheet | Item number: 765-1504/100-000

8-channel digital input/output; EtherNet/IP; DC 24 V / 2.0 A; 4xM12
connection; SlimLine

www.wago.com/765-1504/100-000



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

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Hansastr. 27
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Item description

Einsatzbereich:

Dezentrale Verarbeitung von Digitalsignalen.

Das Gerät dient zur Ansteuerung von digitalen Feldgeräten (z.B. Aktoren) und zur Erfassung von digitalen Signalen (z.B. von Sensoren), die von einer übergeordneten Steuerung gesendet bzw. empfangen werden.

Das Gerät bietet 8 digitale Ein-/Ausgänge.

Data

Technical data

Fieldbus

Communication	EtherNet/IP™ BOOTP, DHCP, DLR
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® Bluetooth® OPC UA Server
Visualization	Web server Android/iOS app Webserver

Digital inputs/outputs

Number of digital inputs	8
Number of digital outputs	8
Connection technology: inputs/outputs	4 x A-coded M12; 5-pole
Signal type (voltage)	24 VDC
Input characteristic	High-side switching
Input filter	0.2 ... 20 ms

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

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Input characteristic	Type 3, per IEC 61131-2
Output current (per channel)	2 A (typ.) for DO
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	380 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

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Commercial data

ETIM 8.0	EC001599
ETIM 7.0	EC001599
Recupel Type	
PU (SPU)	1 pcs
Packaging type	BOX
Country of origin	DE
GTIN	4066966063103
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
	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
Cover	

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

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

Tool

Assembly tool

	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

Sensor/actuator cable

	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
	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.: 756-5311/040-050 Sensor/Actuator cable; M12A plug; straight; 4-pole; Length: 5 m	www.wago.com/756-5311/040-050
	Item no.: 756-5311/040-015 Sensor/Actuator cable; M12A plug; straight; 4-pole; Length: 1.5 m	www.wago.com/756-5311/040-015
	Item no.: 756-5311/040-100 Sensor/Actuator cable; M12A plug; straight; 4-pole; Length: 10 m	www.wago.com/756-5311/040-100
	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.: 756-5510/040-010 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.: 756-5401/040-020 Sensor/Actuator cable; M12A socket; straight; M12A plug; straight; 4-pole; Length: 2 m	www.wago.com/756-5401/040-020

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	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.: 756-5507/040-010 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
	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.: 756-5312/040-015 Sensor/Actuator cable; M12A plug; angled; 4-pole; Length: 1.5 m	www.wago.com/756-5312/040-015
	Item no.: 756-5312/040-050 Sensor/Actuator cable; M12A plug; angled; 4-pole; Length: 5 m	www.wago.com/756-5312/040-050
	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.: 756-5403/040-010 Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 4-pole; Length: 1 m	www.wago.com/756-5403/040-010
	Item no.: 756-5312/040-100 Sensor/Actuator cable; M12A plug; angled; 4-pole; Length: 10 m	www.wago.com/756-5312/040-100
	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.: 756-5508/040-010 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

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

Configurable connector

**Item no.: 756-9202/040-000**

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

www.wago.com/756-9202/040-000**Item no.: 756-9205/040-000**

Fitted pluggable connector; 4-pole; M12 plug, right angle; Spring

www.wago.com/756-9205/040-000**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

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

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

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Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

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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



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

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32423 Minden
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Email: info.de@wago.com | Web: www.wago.com

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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



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

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**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

Distribution connector

**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.: 756-5516/040-010**

Sensor/Actuator cable; 2xM12 socket; straight; M12A plug; straight; 4-pole; Length: 1 m

www.wago.com/756-5516/040-010**Item no.: 756-5516/040-020**

Sensor/Actuator cable; 2xM12 socket; straight; M12A plug; straight; 4-pole; Length: 2 m

www.wago.com/756-5516/040-020

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32423 Minden

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**Item no.: 756-5517/040-010**

Sensor/Actuator cable; 2xM12 socket; angled; M12A plug; straight; 4-pole; Length: 1 m

www.wago.com/756-5517/040-010**Item no.: 756-5517/040-020**

Sensor/Actuator cable; 2xM12 socket; angled; M12A plug; straight; 4-pole; Length: 2 m

www.wago.com/756-5517/040-020**Item no.: 756-9301/050-000**

Accessories; 5-pole

www.wago.com/756-9301/050-000**Item no.: 756-9301/040-000**

Accessories; 4-pole

www.wago.com/756-9301/040-000

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

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

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Hansastr. 27

32423 Minden

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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



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

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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; EtherNet/IP DC 24 V / 2.0 A; 4xM12 Connection; SlimLine	V 2.0.0 2022 Jul 19	pdf 7.4 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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Runtime Software

Firmware

0765-x5xx, Ethernet/IP IO-Field WAGO_FW0765-x5xx_V01010021_IX04	V 04 2023 Feb 2	zip 1.6 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 765-1504/100-000		URL	Download
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CAE data

EPLAN Data Portal 765-1504/100-000		URL	Download
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Asset Administration Shell

Asset Administration Shell 765-1504/100-000		URL	Download
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Device Files

Device Description File

750-915; EDS-Dateien for EthernetIP / Serie 750, 765 and 767	12	zip	Download
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2021 Jul 9

168.4 kB

Gerätebeschreibungsdateien 765-45xx, 765-15xx, EtherNet/IP

V1_1_0_22

zip
75.8 kB

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 765-1504/100-000

URL

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8-channel digital input/output; EtherNet/IP; DC 24 V / 2.0 A; 4xM12 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!

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.