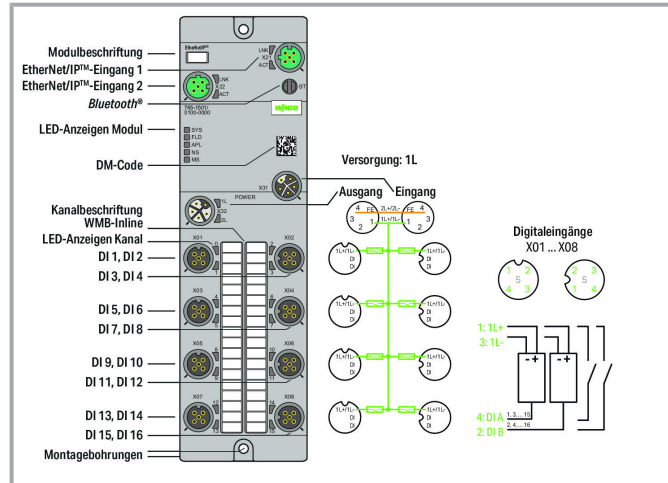




i Picture differs from the item.



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

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Diagnostics	Undervoltage; Overcurrent; Overload; Overtemperature
Device functions	Bluetooth® OPC UA Server
Visualization	Android/iOS app Webserver

Digital inputs/outputs

Number of digital inputs	16
Connection technology: inputs / outputs	8 x A-coded M12; 5-pole
Voltage signal type	DC 24 V
Sensor current (per channel) (max.)	2 A
Input characteristic	High-side switching
Input filter	0.2 ... 20 ms
Input characteristic	Type 3, per IEC 61131-2

Module Power Supply

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

Geometrical Data

Width	60 mm / 2.362 inch
Height	30 mm / 1.181 inch
Depth	210 mm / 8.268 inch

Mechanical Data

Weight	610 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

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Pollution degree (5)	3 per 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


Packaging type	BOX
Country of origin	DE
GTIN	4055144010077
Customs tariff number	8537109170

Required accessories

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

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

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.: 756-1201/060-020 ETHERNET cable; M12D plug; straight; 4-pole; Length: 2 m	www.wago.com/756-1201/060-020
	Item no.: 756-1201/060-050 ETHERNET cable; M12D plug; straight; 4-pole; Length: 5 m	www.wago.com/756-1201/060-050

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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.: 756-1201/060-200 ETHERNET cable; M12D plug; straight; 4-pole; Length: 20 m	www.wago.com/756-1201/060-200
	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.: 756-1202/060-050 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.: 756-1202/060-200 ETHERNET cable; M12D plug; angled; 4-pole; Length: 20 m	www.wago.com/756-1202/060-200
	Item no.: 756-1203/060-020 ETHERNET cable; M12D plug; straight; M12 plug, axial; 4-pole; Length: 2 m	www.wago.com/756-1203/060-020
	Item no.: 756-1203/060-050 ETHERNET cable; M12D plug; straight; M12 plug, axial; 4-pole; Length: 5 m	www.wago.com/756-1203/060-050
	Item no.: 756-1203/060-100 ETHERNET cable; M12D plug; straight; M12 plug, axial; 4-pole; Length: 10 m	www.wago.com/756-1203/060-100
	Item no.: 756-1203/060-200 ETHERNET cable; M12D plug; straight; M12 plug, axial; 4-pole; Length: 20 m	www.wago.com/756-1203/060-200
	Item no.: 756-1204/060-010 ETHERNET/PROFINET cable, angled; 1 m; fitted on both ends; D-coded; M12 plug, angled; M12 plug, angled	www.wago.com/756-1204/060-010
	Item no.: 756-1204/060-020 ETHERNET cable; M12D plug; angled; M12 plug, right angle; 4-pole; Length: 2 m	www.wago.com/756-1204/060-020
	Item no.: 756-1204/060-030 ETHERNET cable; M12D plug; angled; M12 plug, right angle; 4-pole; Length: 3 m	www.wago.com/756-1204/060-030

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	Item no.: 756-1204/060-050 ETHERNET cable; M12D plug; angled; M12 plug, right angle; 4-pole; Length: 5 m	www.wago.com/756-1204/060-050
	Item no.: 756-1204/060-100 ETHERNET cable; M12D plug; angled; M12 plug, right angle; 4-pole; Length: 10 m	www.wago.com/756-1204/060-100
	Item no.: 756-1204/060-200 ETHERNET cable; M12D plug; angled; M12 plug, right angle; 4-pole; Length: 20 m	www.wago.com/756-1204/060-200
	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.: 756-3501/050-050 Power cable; M12L socket; straight; 5-pole; Length: 5 m	www.wago.com/756-3501/050-050
	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.: 756-3502/050-020 Power cable; M12L socket; angled; 5-pole; Length: 2 m	www.wago.com/756-3502/050-020
	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.: 756-3502/050-075 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.: 756-3502/050-150 Power cable; M12L socket; angled; 5-pole; Length: 15 m	www.wago.com/756-3502/050-150

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 Item no.: 756-3503/050-020 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.: 756-3503/050-075 Power cable; M12L plug; straight; 5-pole; Length: 7.5 m	www.wago.com/756-3503/050-075
 Item no.: 756-3503/050-100 Power cable; M12L plug; straight; 5-pole; Length: 10 m	www.wago.com/756-3503/050-100
 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.: 756-3504/050-020 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.: 756-3505/050-003 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.: 756-3505/050-010 Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 1 m	www.wago.com/756-3505/050-010

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↪	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.: 756-3505/050-050 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.: 756-3505/050-150 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.: 756-3506/050-010 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 1 m	www.wago.com/756-3506/050-010
↪	Item no.: 756-3506/050-020 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 2 m	www.wago.com/756-3506/050-020
↪	Item no.: 756-3506/050-050 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 5 m	www.wago.com/756-3506/050-050
↪	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.: 756-3506/050-100 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 10 m	www.wago.com/756-3506/050-100
↪	Item no.: 756-3506/050-150 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 15 m	www.wago.com/756-3506/050-150

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✓	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.: 756-5402/040-010 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.: 756-5403/040-010 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.: 756-5404/040-010 Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 4-pole; Length: 1 m	www.wago.com/756-5404/040-010

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Data sheet | Item number: 765-1501/100-000

www.wago.com/765-1501_100-000
















↻	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.: 756-5507/040-010 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.: 756-5508/040-010 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

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	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
	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.: 756-9202/040-000 Accessories; 4-pole	www.wago.com/756-9202/040-000
	Item no.: 756-9205/040-000 Accessories; 4-pole	www.wago.com/756-9205/040-000
	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
	Item no.: 756-9501/040-000 Accessories; M12 plug, right angle; 4-pole	www.wago.com/756-9501/040-000
	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.: 756-9503/040-000 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
	Item no.: 756-9701/050-000 Fitted pluggable connector; 5-pole; M12 plug, straight; IDC technology	www.wago.com/756-9701/050-000

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Item no.: 756-9711/050-000

Fitted pluggable connector; 5-pole; M12 socket, straight; IDC technology

www.wago.com/756-9711/050-000

Downloads

Documentation

Manual

16-Channel Digital Input; EtherNet/IP; DC 24 V DC 24 V; 8xM12 Connection; WideLine	V 1.1.0 Apr 20, 2021	pdf 5.6 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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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 765-1501/100-000 16-channel digital input; EtherNet/IP; 24 VDC; 8xM12 connection; WideLine		URL	Download
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Installation Notes

Product family

I/O System Field

[Show all products from the family](#)

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