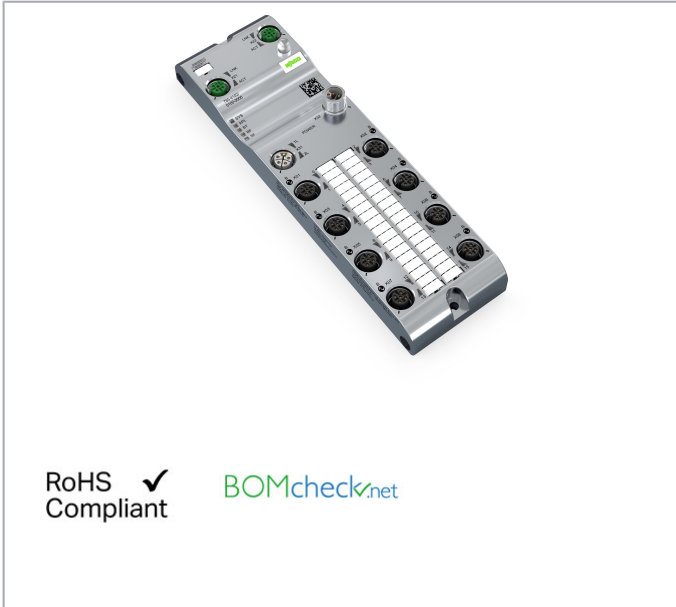


## Data sheet | Item number: 765-4102/100-000

8-Port-IO Link Master Class B; Profinet; DC 24 V / 2.0 A; 8xM12 connection;  
WideLine



[www.wago.com/765-4102/100-000](http://www.wago.com/765-4102/100-000)



### Data

#### Technical Data

#### Feldbus

Communication	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 properties	PROFINET IO device; 2-port switch, LLDP, MRP, SNMP

#### Gerätefunktionen

Parameter	Input filter Output current Temperature
Diagnostics	Undervoltage; Overcurrent; Overload; Overtemperature
Device functions	Bluetooth® OPC UA server

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

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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.

Visualization

Android/iOS app

## IO-Link Master

IO-Link Master classification	Class B; Specification V1.1
Port mode	IO-Link: autoconfig, manual, tool-based DI DO
Cycle time	400 µs (min.) min. 400 µs
Operating mode	IO-Link master, DI or DO (adjustable for pin 4 per port); Supply voltage 2L (fixed for pin 2 per port)

## IO-Link Ports

Number of digital inputs	16
Number of digital outputs	16
Connection technology: inputs/outputs	8 x A-coded M12; 5-pole
Input characteristic	High-side switching
Input filter	0.2 ... 20 ms
Input characteristic	Type 3, per IEC 61131-2
Output current (per channel)	typ. 2 A bei DO

## Versorgung Modul

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

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

## 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 0 ... 2000 m
Pollution degree (5)	3 per EN 60664-1 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

Packaging type	BOX
Country of origin	DE
GTIN	4055143949798
Customs tariff number	85371098990

## Required accessories

### protection



**Item no.: 756-8102**  
M12 protective cap; for unused sockets; -

[www.wago.com/756-8102](http://www.wago.com/756-8102)



**Item no.: 756-8103**  
M12 protective cap; for unused plugs; -

[www.wago.com/756-8103](http://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](http://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](http://www.wago.com/2009-115)

### tools















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

[www.wago.com/206-701](http://www.wago.com/206-701)














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## Compatible products














### wiring and connectors

	<b>Item no.: 756-1201/060-020</b> ETHERNET cable; 4-pole; M12 plug, axial; Length: 2 m	<a href="http://www.wago.com/756-1201/060-020">www.wago.com/756-1201/060-020</a>
	<b>Item no.: 756-1201/060-050</b> ETHERNET cable; 4-pole; M12 socket, straight; Length: 5 m	<a href="http://www.wago.com/756-1201/060-050">www.wago.com/756-1201/060-050</a>
	<b>Item no.: 756-1201/060-100</b> ETHERNET cable; 4-pole; M12 socket, straight; Length: 10 m	<a href="http://www.wago.com/756-1201/060-100">www.wago.com/756-1201/060-100</a>
	<b>Item no.: 756-1201/060-200</b> ETHERNET cable; 4-pole; M12 socket, straight; Length: 20 m	<a href="http://www.wago.com/756-1201/060-200">www.wago.com/756-1201/060-200</a>
	<b>Item no.: 756-1202/060-020</b> ETHERNET cable; 4-pole; M12 plug, right angle; Length: 2 m	<a href="http://www.wago.com/756-1202/060-020">www.wago.com/756-1202/060-020</a>
	<b>Item no.: 756-1202/060-050</b> ETHERNET cable; 4-pole; M12 plug, right angle; Length: 5 m	<a href="http://www.wago.com/756-1202/060-050">www.wago.com/756-1202/060-050</a>
	<b>Item no.: 756-1202/060-100</b> ETHERNET cable; 4-pole; M12 plug, right angle; Length: 10 m	<a href="http://www.wago.com/756-1202/060-100">www.wago.com/756-1202/060-100</a>
	<b>Item no.: 756-1202/060-200</b> ETHERNET cable; 4-pole; M12 plug, right angle; Length: 20 m	<a href="http://www.wago.com/756-1202/060-200">www.wago.com/756-1202/060-200</a>
	<b>Item no.: 756-1203/060-020</b> ETHERNET cable; 4-pole; M12 plug, axial; M12 plug, axial; Length: 2 m	<a href="http://www.wago.com/756-1203/060-020">www.wago.com/756-1203/060-020</a>
	<b>Item no.: 756-1203/060-050</b> ETHERNET cable; 4-pole; M12 plug, axial; M12 plug, axial; Length: 5 m	<a href="http://www.wago.com/756-1203/060-050">www.wago.com/756-1203/060-050</a>
	<b>Item no.: 756-1203/060-100</b> ETHERNET cable; 4-pole; M12 plug, axial; M12 plug, axial; Length: 10 m	<a href="http://www.wago.com/756-1203/060-100">www.wago.com/756-1203/060-100</a>
	<b>Item no.: 756-1203/060-200</b> ETHERNET cable; 4-pole; M12 plug, axial; M12 plug, axial; Length: 20 m	<a href="http://www.wago.com/756-1203/060-200">www.wago.com/756-1203/060-200</a>














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	<b>Item no.: 756-1204/060-010</b> ETHERNET/PROFINET cable, angled; 1 m; fitted on both ends; D-coded; M12 plug, angled; M12 plug, angled; green	<a href="http://www.wago.com/756-1204/060-010">www.wago.com/756-1204/060-010</a>
	<b>Item no.: 756-1204/060-020</b> ETHERNET cable; 4-pole; M12 plug, right angle; M12 plug, right angle; Length: 2 m	<a href="http://www.wago.com/756-1204/060-020">www.wago.com/756-1204/060-020</a>
	<b>Item no.: 756-1204/060-030</b> ETHERNET cable; 4-pole; M12 plug, right angle; M12 plug, right angle; Length: 3 m	<a href="http://www.wago.com/756-1204/060-030">www.wago.com/756-1204/060-030</a>
	<b>Item no.: 756-1204/060-050</b> ETHERNET cable; 4-pole; M12 plug, right angle; M12 plug, right angle; Length: 5 m	<a href="http://www.wago.com/756-1204/060-050">www.wago.com/756-1204/060-050</a>
	<b>Item no.: 756-1204/060-100</b> ETHERNET cable; 4-pole; M12 plug, right angle; M12 plug, right angle; Length: 10 m	<a href="http://www.wago.com/756-1204/060-100">www.wago.com/756-1204/060-100</a>
	<b>Item no.: 756-1204/060-200</b> ETHERNET cable; 4-pole; M12 plug, right angle; M12 plug, right angle; Length: 20 m	<a href="http://www.wago.com/756-1204/060-200">www.wago.com/756-1204/060-200</a>
	<b>Item no.: 756-3501/050-020</b> Power cable; M12L socket; straight; 5-pole; Length: 2 m	<a href="http://www.wago.com/756-3501/050-020">www.wago.com/756-3501/050-020</a>
	<b>Item no.: 756-3501/050-050</b> Power cable; M12L socket; straight; 5-pole; Length: 5 m	<a href="http://www.wago.com/756-3501/050-050">www.wago.com/756-3501/050-050</a>
	<b>Item no.: 756-3501/050-075</b> Power cable; M12L socket; straight; 5-pole; Length: 7.5 m	<a href="http://www.wago.com/756-3501/050-075">www.wago.com/756-3501/050-075</a>
	<b>Item no.: 756-3501/050-100</b> Power cable; M12L socket; straight; 5-pole; Length: 10 m	<a href="http://www.wago.com/756-3501/050-100">www.wago.com/756-3501/050-100</a>
	<b>Item no.: 756-3501/050-150</b> Power cable; M12L socket; straight; 5-pole; Length: 15 m	<a href="http://www.wago.com/756-3501/050-150">www.wago.com/756-3501/050-150</a>
	<b>Item no.: 756-3502/050-020</b> Power cable; M12L socket; angled; 5-pole; Length: 2 m	<a href="http://www.wago.com/756-3502/050-020">www.wago.com/756-3502/050-020</a>
	<b>Item no.: 756-3502/050-050</b> Power cable; M12L socket; angled; 5-pole; Length: 5 m	<a href="http://www.wago.com/756-3502/050-050">www.wago.com/756-3502/050-050</a>














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	<b>Item no.: 756-3502/050-075</b> Power cable; M12L socket; angled; 5-pole; Length: 7.5 m	<a href="http://www.wago.com/756-3502/050-075">www.wago.com/756-3502/050-075</a>
	<b>Item no.: 756-3502/050-100</b> Power cable; M12L socket; angled; 5-pole; Length: 10 m	<a href="http://www.wago.com/756-3502/050-100">www.wago.com/756-3502/050-100</a>
	<b>Item no.: 756-3502/050-150</b> Power cable; M12L socket; angled; 5-pole; Length: 15 m	<a href="http://www.wago.com/756-3502/050-150">www.wago.com/756-3502/050-150</a>
	<b>Item no.: 756-3503/050-020</b> Power cable; M12L plug; straight; 5-pole; Length: 2 m	<a href="http://www.wago.com/756-3503/050-020">www.wago.com/756-3503/050-020</a>
	<b>Item no.: 756-3503/050-050</b> Power cable; M12L plug; straight; 5-pole; Length: 5 m	<a href="http://www.wago.com/756-3503/050-050">www.wago.com/756-3503/050-050</a>
	<b>Item no.: 756-3503/050-075</b> Power cable; M12L plug; straight; 5-pole; Length: 7.5 m	<a href="http://www.wago.com/756-3503/050-075">www.wago.com/756-3503/050-075</a>
	<b>Item no.: 756-3503/050-100</b> Power cable; M12L plug; straight; 5-pole; Length: 10 m	<a href="http://www.wago.com/756-3503/050-100">www.wago.com/756-3503/050-100</a>
	<b>Item no.: 756-3503/050-150</b> Power cable; M12L plug; straight; 5-pole; Length: 15 m	<a href="http://www.wago.com/756-3503/050-150">www.wago.com/756-3503/050-150</a>
	<b>Item no.: 756-3504/050-020</b> Power cable; M12L plug; angled; 5-pole; Length: 2 m	<a href="http://www.wago.com/756-3504/050-020">www.wago.com/756-3504/050-020</a>
	<b>Item no.: 756-3504/050-050</b> Power cable; M12L plug; angled; 5-pole; Length: 5 m	<a href="http://www.wago.com/756-3504/050-050">www.wago.com/756-3504/050-050</a>
	<b>Item no.: 756-3504/050-075</b> Power cable; M12L plug; angled; 5-pole; Length: 7.5 m	<a href="http://www.wago.com/756-3504/050-075">www.wago.com/756-3504/050-075</a>
	<b>Item no.: 756-3504/050-100</b> Power cable; M12L plug; angled; 5-pole; Length: 10 m	<a href="http://www.wago.com/756-3504/050-100">www.wago.com/756-3504/050-100</a>
	<b>Item no.: 756-3504/050-150</b> Power cable; M12L plug; angled; 5-pole; Length: 15 m	<a href="http://www.wago.com/756-3504/050-150">www.wago.com/756-3504/050-150</a>

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	<b>Item no.: 756-3505/050-003</b> Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 0.3 m	<a href="http://www.wago.com/756-3505/050-003">www.wago.com/756-3505/050-003</a>
	<b>Item no.: 756-3505/050-005</b> Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 0.5 m	<a href="http://www.wago.com/756-3505/050-005">www.wago.com/756-3505/050-005</a>
	<b>Item no.: 756-3505/050-010</b> Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 1 m	<a href="http://www.wago.com/756-3505/050-010">www.wago.com/756-3505/050-010</a>
	<b>Item no.: 756-3505/050-020</b> Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 2 m	<a href="http://www.wago.com/756-3505/050-020">www.wago.com/756-3505/050-020</a>
	<b>Item no.: 756-3505/050-050</b> Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 5 m	<a href="http://www.wago.com/756-3505/050-050">www.wago.com/756-3505/050-050</a>
	<b>Item no.: 756-3505/050-075</b> Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 7.5 m	<a href="http://www.wago.com/756-3505/050-075">www.wago.com/756-3505/050-075</a>
	<b>Item no.: 756-3505/050-100</b> Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 10 m	<a href="http://www.wago.com/756-3505/050-100">www.wago.com/756-3505/050-100</a>
	<b>Item no.: 756-3505/050-150</b> Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 15 m	<a href="http://www.wago.com/756-3505/050-150">www.wago.com/756-3505/050-150</a>
	<b>Item no.: 756-3506/050-003</b> Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 0.3 m	<a href="http://www.wago.com/756-3506/050-003">www.wago.com/756-3506/050-003</a>
	<b>Item no.: 756-3506/050-005</b> Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 0.5 m	<a href="http://www.wago.com/756-3506/050-005">www.wago.com/756-3506/050-005</a>
	<b>Item no.: 756-3506/050-010</b> Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 1 m	<a href="http://www.wago.com/756-3506/050-010">www.wago.com/756-3506/050-010</a>
	<b>Item no.: 756-3506/050-020</b> Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 2 m	<a href="http://www.wago.com/756-3506/050-020">www.wago.com/756-3506/050-020</a>
	<b>Item no.: 756-3506/050-050</b> Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 5 m	<a href="http://www.wago.com/756-3506/050-050">www.wago.com/756-3506/050-050</a>

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	<b>Item no.: 756-3506/050-075</b> Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 7.5 m	<a href="http://www.wago.com/756-3506/050-075">www.wago.com/756-3506/050-075</a>
	<b>Item no.: 756-3506/050-100</b> Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 10 m	<a href="http://www.wago.com/756-3506/050-100">www.wago.com/756-3506/050-100</a>
	<b>Item no.: 756-3506/050-150</b> Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 15 m	<a href="http://www.wago.com/756-3506/050-150">www.wago.com/756-3506/050-150</a>
	<b>Item no.: 756-5311/050-015</b> Sensor/Actuator cable; 5-pole; Length: 1.5 m	<a href="http://www.wago.com/756-5311/050-015">www.wago.com/756-5311/050-015</a>
	<b>Item no.: 756-5311/050-050</b> Sensor/Actuator cable; 5-pole; Length: 5 m	<a href="http://www.wago.com/756-5311/050-050">www.wago.com/756-5311/050-050</a>
	<b>Item no.: 756-5311/050-100</b> Sensor/Actuator cable; 5-pole; Length: 10 m	<a href="http://www.wago.com/756-5311/050-100">www.wago.com/756-5311/050-100</a>
	<b>Item no.: 756-5312/050-015</b> Sensor/Actuator cable; 5-pole; Length: 1.5 m	<a href="http://www.wago.com/756-5312/050-015">www.wago.com/756-5312/050-015</a>
	<b>Item no.: 756-5312/050-050</b> Sensor/Actuator cable; 5-pole; Length: 5 m	<a href="http://www.wago.com/756-5312/050-050">www.wago.com/756-5312/050-050</a>
	<b>Item no.: 756-5312/050-100</b> Sensor/Actuator cable; 5-pole; Length: 10 m	<a href="http://www.wago.com/756-5312/050-100">www.wago.com/756-5312/050-100</a>
	<b>Item no.: 756-5401/050-010</b> Sensor/Actuator cable; 5-pole; Length: 1 m	<a href="http://www.wago.com/756-5401/050-010">www.wago.com/756-5401/050-010</a>
	<b>Item no.: 756-5401/050-020</b> Sensor/Actuator cable; 5-pole; Length: 2 m	<a href="http://www.wago.com/756-5401/050-020">www.wago.com/756-5401/050-020</a>
	<b>Item no.: 756-5402/050-010</b> Sensor/Actuator cable; 5-pole; Length: 1 m	<a href="http://www.wago.com/756-5402/050-010">www.wago.com/756-5402/050-010</a>
	<b>Item no.: 756-5402/050-020</b> Sensor/Actuator cable; 5-pole; Length: 2 m	<a href="http://www.wago.com/756-5402/050-020">www.wago.com/756-5402/050-020</a>

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	<b>Item no.: 756-5403/050-010</b> Sensor/Actuator cable; 5-pole; Length: 1 m	<a href="http://www.wago.com/756-5403/050-010">www.wago.com/756-5403/050-010</a>
	<b>Item no.: 756-5403/050-020</b> Sensor/Actuator cable; 5-pole; Length: 2 m	<a href="http://www.wago.com/756-5403/050-020">www.wago.com/756-5403/050-020</a>
	<b>Item no.: 756-5404/050-010</b> Sensor/Actuator cable; 5-pole; Length: 1 m	<a href="http://www.wago.com/756-5404/050-010">www.wago.com/756-5404/050-010</a>
	<b>Item no.: 756-5404/050-020</b> Sensor/Actuator cable; 5-pole; Length: 2 m	<a href="http://www.wago.com/756-5404/050-020">www.wago.com/756-5404/050-020</a>
	<b>Item no.: 756-9202/050-000</b> Accessories; 5-pole	<a href="http://www.wago.com/756-9202/050-000">www.wago.com/756-9202/050-000</a>
	<b>Item no.: 756-9205/050-000</b> Accessories; 5-pole	<a href="http://www.wago.com/756-9205/050-000">www.wago.com/756-9205/050-000</a>
	<b>Item no.: 756-9301/050-000</b> Accessories; 5-pole	<a href="http://www.wago.com/756-9301/050-000">www.wago.com/756-9301/050-000</a>
	<b>Item no.: 756-9501/040-000</b> Accessories; 4-pole; M12 plug, right angle	<a href="http://www.wago.com/756-9501/040-000">www.wago.com/756-9501/040-000</a>
	<b>Item no.: 756-9501/060-000</b> Fitted pluggable connector; 4-pole, shielded; M12 plug, straight, D-coded; Spring	<a href="http://www.wago.com/756-9501/060-000">www.wago.com/756-9501/060-000</a>
	<b>Item no.: 756-9503/040-000</b> Accessories; 4-pole	<a href="http://www.wago.com/756-9503/040-000">www.wago.com/756-9503/040-000</a>
	<b>Item no.: 756-9504/040-000</b> Accessories; 4-pole	<a href="http://www.wago.com/756-9504/040-000">www.wago.com/756-9504/040-000</a>
	<b>Item no.: 756-9701/050-000</b> Fitted pluggable connector; 5-pole; M12 plug, straight; IDC technology	<a href="http://www.wago.com/756-9701/050-000">www.wago.com/756-9701/050-000</a>
	<b>Item no.: 756-9711/050-000</b> Fitted pluggable connector; 5-pole; M12 socket, straight; IDC technology	<a href="http://www.wago.com/756-9711/050-000">www.wago.com/756-9711/050-000</a>

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## Downloads

### Documentation

#### Manual

8-Port IO-Link Master Class B; Profinet DC 24 V / 2.0 A; 8xM12 Connection; WideLine	V 2.1.0 30. 11. 2020	pdf 4.2 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 17. 12. 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 IO-DDs via integrated IO-DD Finder.

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

## Runtime Software

### Firmware

IO-Field 765-4102 Firmware Download	01	zip 1.5 MB	Download
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## CAD/CAE-Data

### CAD data

2D/3D Models 765-4102/100-000		URL	Download
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### CAE data

ZUKEN Portal 765-4102/100-000		URL	Download
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## Device Files

### Device Description File

750-916; GSD-Dateien der Version 2.x für PROFINET/ Serie 750/753, 765, 767 und 852	2.8 15. 1. 2021	zip 2.6 MB	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 765-4102/100-000 8-Port-IO Link Master Class B; Profinet; DC 24 V / 2.0 A; 8xM12 connection; WideLine	URL	Download
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## Installation Notes

## Product family

### I/O System Field

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