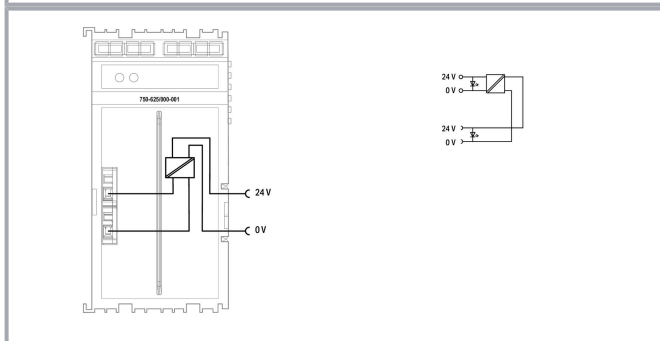
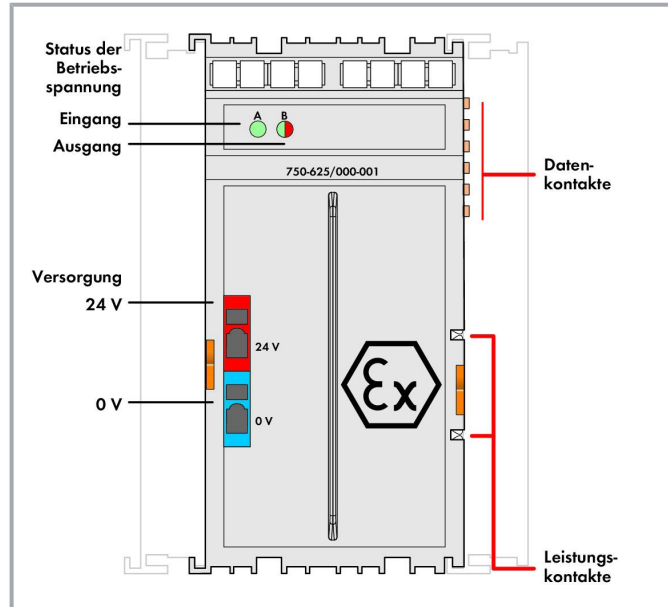
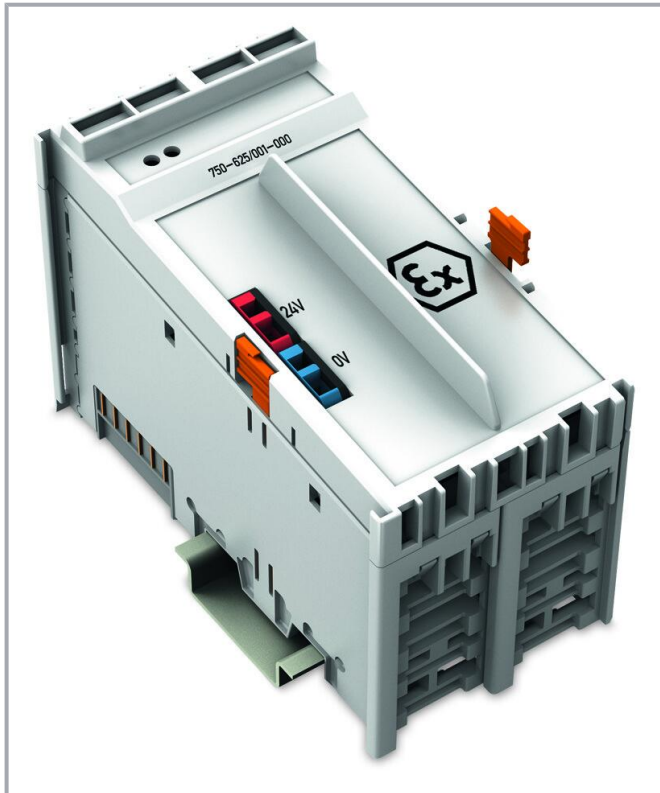
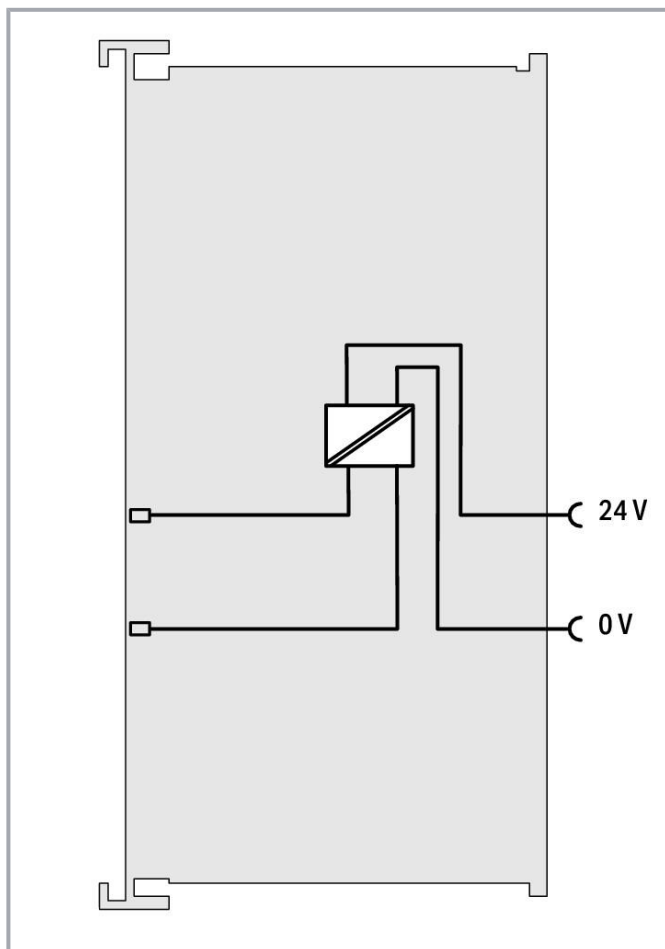




Subject to changes. Please also observe the further product documentation!

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Successor model



Item no.750-606

Power Supply; 24 VDC; Diagnostics; Intrinsically safe

www.wago.com/750-606

Item description

Note:

For this item, a successor is available: 750-606

This supply module powers all intrinsically safe 750 Series Ex i Modules. It also monitors the power supply to the downstream Ex i segment and separates the intrinsically safe from the non-intrinsically safe section of the WAGO I/O System 750. The input and output sides are electrically isolated from each other.

The maximum current provided by the supply module is 1.0 A. When configuring the Ex i segment, the total current must not be exceeded.

In the event of a short circuit or overload, electronic monitoring automatically switches off the output voltage. After eliminating the fault, the output voltage is reactivated within approximately ten seconds.

If, due to load conditions, more than one supply module is required per station, four distance modules (750-616) must be placed between the intrinsically safe sections.

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- Indicators: Green LED (input voltage)
- Green/red LED (output voltage available/not available)

Data

Notes

Note

General information (e.g., installation regulations) on explosion protection is available in the WAGO I/O System 750 manuals!

Technical data

Input voltage (note)	24 VDC (-25 % ... +30 %)
Fuse	electronic
Power consumption $P_{\max.}$	29 W
Intrinsic safety Ex i	yes
Supply voltage (system)	5 VDC; via data contacts
Current consumption (5 V system supply)	7.5 mA
Supply voltage (field)	24 VDC (-25 % ... +30 %); (Adjacent Ex i modules are supplied with $U_O = \max. 27.3 \text{ V}$); via power jumper contacts (power supply via CAGE CLAMP® connection; transmission via spring contact)
Supply voltage	24 VDC; (-25 % ... +30 %); Input voltage
Power loss P_I	< 5 W
Indicators	LED (A) green: Status voltage supply: Input; LED (B) green/red: Status voltage supply: Output
Number of outgoing power jumper contacts	2
Current carrying capacity (power jumper contacts)	1 A
Marking	ATEX/IECEx: II 3G Ex ec IIC T4 Gc

Explosion protection

Ex standard	EN IEC 60079-0, -7, -11
Power supply (output)	$U_O = 26.8 \text{ V}$ (safe voltage per IEC 60079-11, protection level ia); $U_n = 24 \text{ V} \pm 0.3 \text{ V}$, $I_n = 1 \text{ A}$
Power supply (input)	$U_n = 24 \text{ VDC}$ (-25 % ... +30 %); $P_{\max.} = 29 \text{ W}$; $U_m = 253 \text{ V}$

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



Connection data

Connection technology: field supply	2 x CAGE CLAMP®
Connection type 1	Field supply
Solid conductor	0.08 ... 1.5 mm² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 1.5 mm² / 28 ... 14 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches
Note (conductor cross-section)	14 AWG: THHN, THWN

Physical data

Width	48 mm / 1.89 inches
Height	100 mm / 3.937 inches
Depth	70.9 mm / 2.791 inches
Depth from upper-edge of DIN-rail	63.7 mm / 2.508 inches

Mechanical Data

Mounting type	DIN-35 rail
---------------	-------------

Material data

Housing material	Polycarbonate; polyamide 6.6
Fire load	2.599 MJ
Weight	167 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	0 ... +55 °C
Ambient temperature (storage)	-25 ... +85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	0 ... 2000 m / 0 ... 6562 ft
Mounting position	horizontal (standing/lying); vertical
Relative humidity (without condensation)	95 %
Vibration resistance	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2, marine applications
EMC emission of interference	per EN 61000-6-3, marine applications

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

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Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Permissible H ₂ S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO ₂ contaminant concentration at a relative humidity 75 %	25 ppm

Commercial data

Product Group	15 (I/O System)
eCl@ss 10.0	27-24-26-10
eCl@ss 9.0	27-24-26-10
ETIM 8.0	EC001600
ETIM 7.0	EC001600
Recupel Type	
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454971564
Customs tariff number	85389091890

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Bulgaria)	cbe560d0-a0b7-42f7-8844-dfddb93ad32e
SCIP notification number (Czech Republic)	72535edf-73da-48ed-bbf9-19d23d334ea0

Notes

Note

General information (e.g., installation regulations) on explosion protection is available in the WAGO I/O System 750 manuals!

Explosion protection

Marking	ATEX/IECEx: II 3G Ex ec IIC T4 Gc
Power supply (output)	
Power supply (input)	

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Technical data

Order Text	Power Supply; 24 VDC
Supply voltage	24 VDC; (-25 % ... +30 %); input voltage
Fuse	
Intrinsic safety Ex i	
Supply voltage (field)	
Power consumption $P_{\max}$	
Power loss P_l	
Indicators	LED (A) green: operating voltage status: input; LED (B) green/red: operating voltage status: output

Mechanical data

Mounting type	
---------------	--

Environmental requirements

Ambient temperature (operation)	0 ... +55 °C
Ambient temperature (storage)	-25 ... +85 °C
Pollution degree	
Operating altitude	
Mounting position	
Vibration resistance	
EMC immunity to interference	
EMC emission of interference	
Exposure to pollutants	

Connection data

Connection type 1	
-------------------	--

Commercial data

Packaging type	
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
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	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02. B.00087 /19
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-SPP750
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	-	E175199

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Ex-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	22-2219060
	BV Bureau Veritas S.A.	-	30389/C0 BV
	DNV DNV GL SE	DNV-CG-0339,Aug.2021	TAA0000194
	KR Korean Register of Shipping	-	KR HMB05880-AC001
	LR Lloyds Register EMEA	-	LR22180952TA

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PRS
Polski Rejestr Statków

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/19

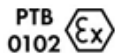


RINA
RINA Germany GmbH

-

ELE343521XG001

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
	AEx UL International Germany GmbH	UL 60079	E480271
	ATEX TUEV Nord Cert GmbH	EN 60079-0	TUEV_12_ATEX_106032X (Ex ec[iaGa] IIC T4 Gc, [Ex iaDa] IIIC, [Ex iaMa] I)
	CCC CNEX	CNCA-C23-01	2020312310000211 (Ex ec IIC T4 Gc)
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	EAC RU C-DE.AM02.B. 00163/19 (2Ex e IIC T4 Gc X)
	INMETRO TÜV Rheinland do Brasil Ltda.	-	TÜV_14.1911_X
	KTL Korea Testing Laboratory	KOSHA Article 34, IEC60079-0	20-KA4BO-0093X
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

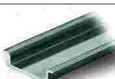
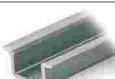
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Optional accessories

Carrier rail

Mounting accessories		
	Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored	www.wago.com/210-197
	Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	www.wago.com/210-198
	Item no.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-504
	Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-505
	Item no.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-506
	Item no.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-508
	Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-113
	Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-118
	Item no.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored	www.wago.com/210-112
	Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/210-114
	Item no.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored	www.wago.com/210-115
	Item no.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/210-196

Shield termination

Shield clamping saddles		
	Item no.: 790-116 Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm	www.wago.com/790-116
	Item no.: 790-124	

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



Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm

www.wago.com/790-124**Item no.: 790-108**

Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm

www.wago.com/790-108**Item no.: 790-140**

Shield clamping saddle; diameter of compatible conductor

www.wago.com/790-140**Item no.: 790-216**

Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm

www.wago.com/790-216**Item no.: 790-220**

Shield clamping saddle; 30 mm wide; 6 ... 20 mm

www.wago.com/790-220**Item no.: 790-208**

Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm

www.wago.com/790-208**Marking accessories****Marker carrier****Item no.: 750-103**

Group marker carrier

www.wago.com/750-103**Marker****Item no.: 2009-145/000-006**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue /000-006

www.wago.com/2009-145/000-006**Item no.: 2009-145**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

www.wago.com/2009-145**Item no.: 2009-145/000-002**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

www.wago.com/2009-145/000-002**Item no.: 2009-145/000-007**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray /000-007

www.wago.com/2009-145/000-007**Item no.: 2009-145/000-005**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

www.wago.com/2009-145/000-005**Item no.: 2009-145/000-012**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

www.wago.com/2009-145/000-012**Item no.: 2009-145/000-023**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

www.wago.com/2009-145/000-023

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**Item no.: 2009-145/000-024**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

www.wago.com/2009-145/000-024

**Item no.: 248-501/000-006**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

www.wago.com/248-501/000-006

**Item no.: 248-501/000-007**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

www.wago.com/248-501/000-007

**Item no.: 248-501/000-002**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

www.wago.com/248-501/000-002

**Item no.: 248-501/000-012**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

www.wago.com/248-501/000-012

**Item no.: 248-501**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

www.wago.com/248-501

**Item no.: 248-501/000-017**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

www.wago.com/248-501/000-017

**Item no.: 248-501/000-005**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

www.wago.com/248-501/000-005

**Item no.: 248-501/000-024**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

www.wago.com/248-501/000-024

**Item no.: 248-501/000-023**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

www.wago.com/248-501/000-023

Group marker carrier

**Item no.: 750-106**

Group marker carrier

www.wago.com/750-106

Tool

Operating tool

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

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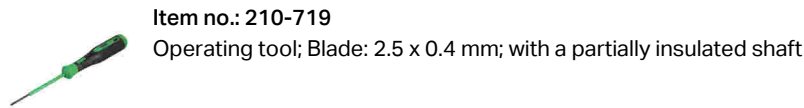
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Item no.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719

Downloads
Documentation

Data sheet

750-625/000-001, 24VDC 1.0A Ex i Power Supply (without diagnostics), data sheet	pdf 132.8 kB	Download
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Manual

System Manual WAGO I/O System 750/753 Decentralized Automation Technology	V 3.3.3 2023 Aug 29	pdf 8.7 MB	Download
Product Manual 24VDC 1.0A Ex i power supply	V 1.3.0 2021 Jun 16	pdf 1.4 MB	Download
System Manual Series 750/753 Online HTML		URL	Download

Bid Text

750-625/000-001 X81 - Datei	2019 Feb 19	xml 5.8 kB	Download
750-625/000-001 doc - Datei	2017 Oct 6	doc 29.7 kB	Download

Instruction Leaflet

CCC Ex (Additional information) WAGO-I/O-SYSTEM 750-*** Ex i	2023 Apr 26	pdf 147.4 kB	Download
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System Description

750/753 Series I/O-System – General Product Information	pdf 976.2 kB	Download
Ex i Overview	pdf 233.9 kB	Download
Overview on WAGO-I/O-SYSTEM 750 approvals	pdf	Download

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223.5 kB

Additional Information

Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	2022 Aug 18	2.2 MB	

CAD/CAE-Data**CAD data**

2D/3D Models 750-625/000-001	URL	Download
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CAE data

EPLAN Data Portal 750-625/000-001	URL	Download
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WSCAD Universe 750-625/000-001	URL	Download
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ZUKEN Portal 750-625/000-001	URL	Download
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EPLAN Data Portal 750-625/000-001	URL	Download
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WSCAD Universe 750-625/000-001	URL	Download
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Asset Administration Shell

Asset Administration Shell 750-625/000-001	URL	Download
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Device Files**Device Driver**

WAGO USB Service Kabel Treiber / Serie 750 und 857	6.5.3.0	zip	Download
	2014 Sep 10	4.8 MB	

Installation Notes

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



Product family

WAGO I/O System 750/753

[Show all products from the family](#)

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