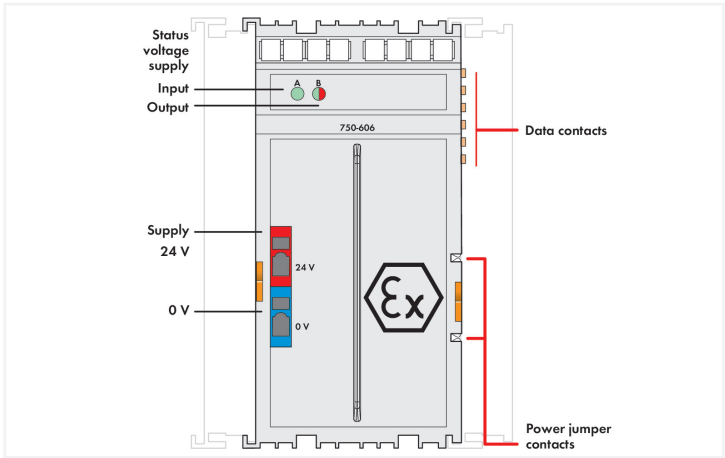
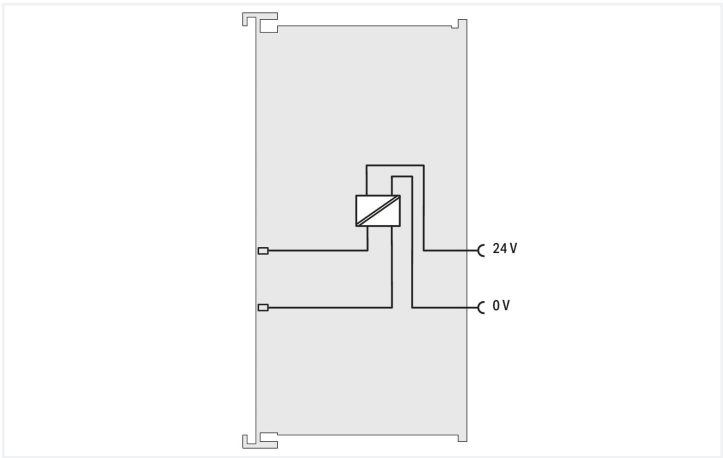
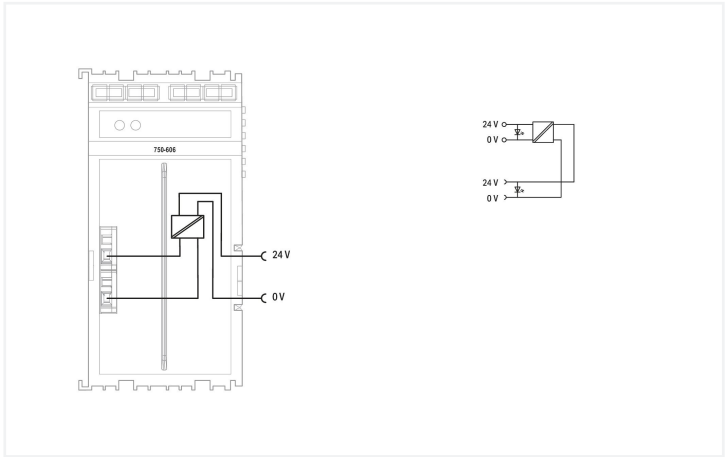
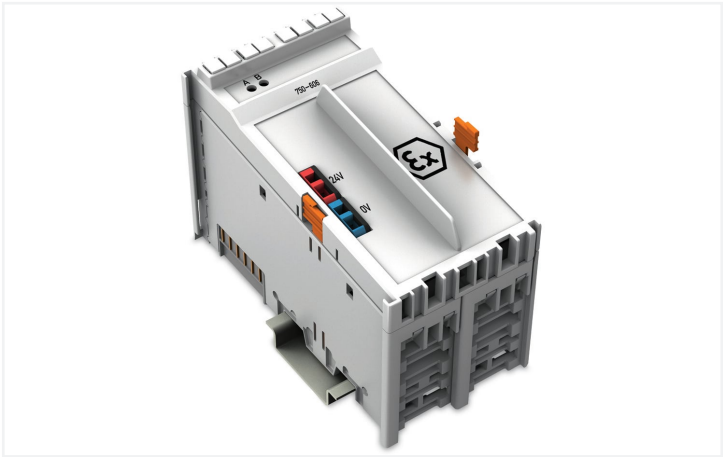




This supply module powers all intrinsically safe 750 Series Ex i Modules. It also monitors the power supply to the downstream Ex i segment and separates the intrinsically safe from the non-intrinsically safe section of the WAGO I/O System 750. The input and output sides are electrically isolated from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

Indicators:

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

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



Technical data		
Supply voltage		24 VDC; (-25 % ... +30 %); input voltage
Fuse		electronic
Intrinsic safety Ex i		Yes
Diagnostics		Input voltage failure, fuse triggered
Data width		2 bits (input voltage failure, fuse triggered)
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 ₀ = max. 27.3 V); via power jumper contacts (power supply via CAGE CLAMP® connection; transmission via spring contact)
Power consumption P _{max.}		29 W
Power loss P _I		< 5 W
Number of outgoing power jumper contacts		2
Current carrying capacity (power jumper contacts)		1 A
Indicators		LED (A) green: operating voltage status: input; LED (B) green/red: operating voltage status: output
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 V (safe voltage per IEC 60079-11, protection level ia); U _n = 24 V ± 0.3 V, I _n = 1 A
Power supply (input)		U _n = 24 VDC (-25 ... +30 %); P _{max.} = 29 W; U _m = 253 V

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

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		167.5 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
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
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
Customs tariff number	85389091890

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Austria)	c0e961b9-f5ee-4b65-a1a8-472aee7a2b4c
SCIP notification number (Belgium)	9a9fbad1-2151-4ca2-aec5-25ab8f123037
SCIP notification number (Bulgaria)	ed072b21-fb78-4134-9934-dfa4a6dc0ef4
SCIP notification number (Czech Republic)	266c66db-8acb-4f00-bf69-094ee6553caa
SCIP notification number (Denmark)	350710b9-e9a4-4603-aaf5-169b93ff0e77
SCIP notification number (Finland)	8ff26ff3-9f09-4bb8-aedc-18be5f80fa7
SCIP notification number (France)	8535d1d5-e475-4e2e-a292-5ec098a62a8b
SCIP notification number (Germany)	8624e861-a34f-472f-901f-a8b55966be77
SCIP notification number (Hungary)	a933bfdc-ce3e-40d2-95cd-93c13d3796c4
SCIP notification number (Italy)	f9a05418-8ba1-4d38-9d5d-9faba4db04de
SCIP notification number (Netherlands)	9e17eb72-481a-4d00-bf13-7abd58508e22
SCIP notification number (Poland)	25b955c9-d2f8-4744-b703-a5b0acbd030b
SCIP notification number (Romania)	737c4cd0-1a61-4064-827d-49007a2f8b50
SCIP notification number (Sweden)	a8f2598e-8225-4e57-84ed-8ccaa13ba2aa



Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	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 LOCATI- ONS)	-	E175199

Declarations of conformity and manufacturer's declarations

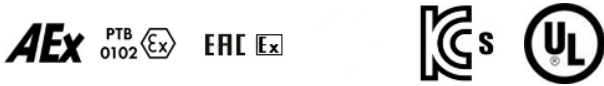
Approval	Standard	Certificate Name
EU-Ex-Declaration of Con- formity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	22-2219060
BV Bureau Veritas S.A.	-	30389/C0 BV
DNV DNV GL SE	DNV-CG-0339, Aug. 2021	TAA0000194
KR Korean Register of Ship- ping	-	KR HMB05880-AC001
LR Lloyds Register EMEA	-	LR22180952TA
PRS Polski Rejestr Statków	-	TE/2236/880590/19
RINA RINA Germany GmbH	-	ELE343521XG001

Approvals for hazardous areas



Approval	Standard	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 Zertifizierungs- stelle	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 LOCA- TIONS)	UL 121201	E198726 Sec.1

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 750-606





Documentation			
Manual		System Description	
Product Manual 24VDC 1.0A Ex i power supply	V 1.4.0 16.06.2021	pdf 1415.88 KB	↓
System Manual WAGO I/O System 750/753	V 3.3.3 29.08.2023	pdf 8512.61 KB	↓
System Manual Series 750/753			↓
		750/753 Series I/O-System – General Product Information	pdf 953.35 KB ↓
		Overview on WAGO-I/O-SYSTEM 750 approvals	pdf 770.48 KB ↓
		Ex i Overview	pdf 442.07 KB ↓

Bid Text		Instruction Leaflet	
750-606	19.02.2019	xml 5.42 KB	↓
750-606	06.10.2017	doc 28.50 KB	↓
		CCC Ex (Additional information)	26.04.2023 pdf 143.96 KB ↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 750-606	EPLAN Data Portal 750-606
	WSCAD Universe 750-606
	ZUKEN Portal 750-606

Device Files	
Device Driver	
WAGO USB Service Kabel Treiber / Serie 750 und 857	6.5.3.0 10.09.2014 zip 4721.96 KB ↓

1 Compatible Products	
1.1 Optional Accessories	
1.1.1 DIN-rail	
1.1.1.1 Mounting accessories	

 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	 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	 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	 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
 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	 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	 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	 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



1.1.1.1 Mounting accessories



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



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



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



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

1.1.2 Marking

1.1.2.1 Group marker carrier



Item No.: 750-106
Group marker carrier

1.1.2.2 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



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



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



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



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



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



Item No.: 2009-145
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



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



Item No.: 248-501/000-006
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue



Item No.: 248-501/000-007
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray



Item No.: 248-501/000-023
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: 248-501/000-017
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: 248-501/000-012
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange



Item No.: 248-501/000-005
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red



Item No.: 248-501/000-024
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet



Item No.: 248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 248-501/000-002
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

1.1.2.3 Marker carrier



Item No.: 750-103
Group marker carrier



1.1.3 Shield termination

1.1.3.1 Shield clamping saddles



Item No.: 790-108
Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm



Item No.: 790-208
Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm



Item No.: 790-116
Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm



Item No.: 790-216
Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm



Item No.: 790-124
Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm



Item No.: 790-220
Shield clamping saddle; 30 mm wide; 6 ... 20 mm



Item No.: 790-140
Shield clamping saddle; diameter of compatible conductor

1.1.4 Tool

1.1.4.1 Operating tool



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