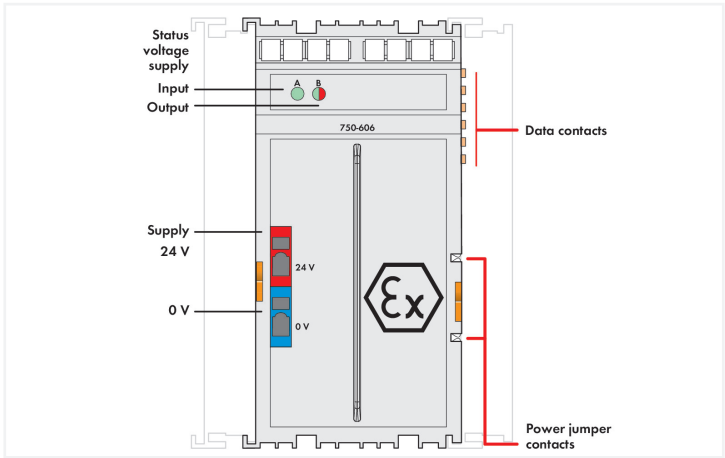
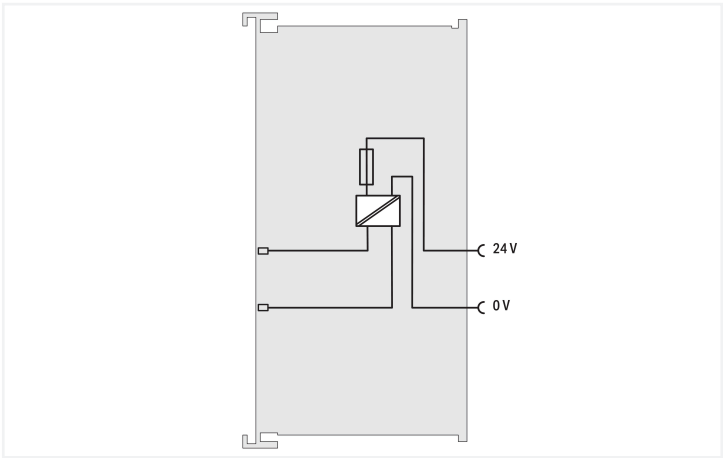
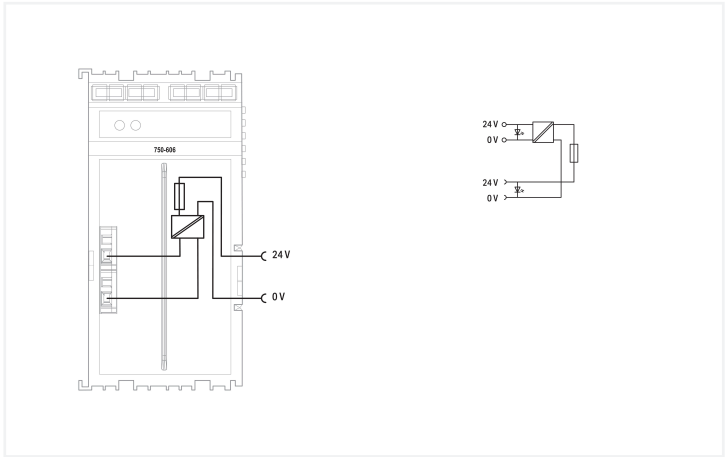
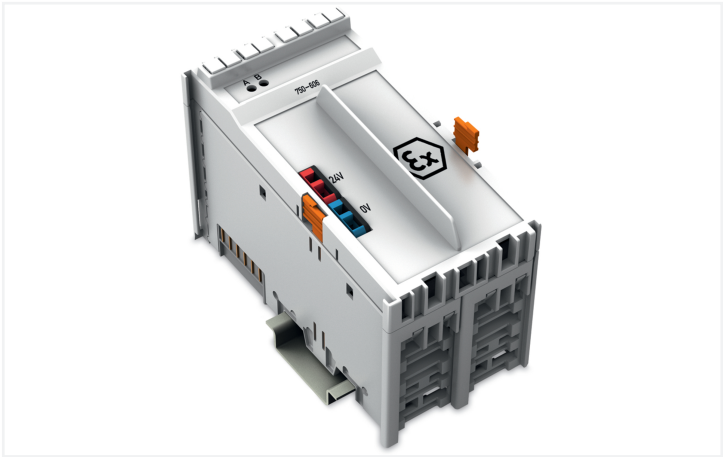




This supply module powers all intrinsically safe 750 Series Ex i Modules. It also monitors the power supply to the downstream Ex i segment and electrically isolates the intrinsically safe from the non-intrinsically safe section of the WAGO I/O System 750. The input and output sides are electrically isolated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

The maximum output 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 disables the output voltage. Once the fault has been cleared, the output voltage is reactivated after approximately 10 seconds.

Note:
If more than one supply module is required per station due to load conditions, four spacer modules (750-616) must be used to ensure proper separation between the intrinsically safe Ex i segments.

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

Notes	
Note	General information on explosion protection, including installation regulations, can be found in the WAGO I/O System 750/753 manuals!



Technical data		
Item description	Power Supply; 24 VDC; Diagnostics	
Supply voltage	24 VDC; (-25 % ... +30 %); input voltage	
Fuse	electronic	
Intrinsically safe Ex i	Yes	
Diagnostics	Input voltage failure, fuse triggered	
Data width	2-bit diagnostics	
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. 26.8 V); via power jumper contacts (power supply via CAGE CLAMP® connection; distribution via spring contact)	
Power consumption P _{max}	29 W	
Power loss P _l	< 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	

Explosion protection		
Identification	ATEX: II 3 (1) G Ex ec [ia Ga] IIC T4 Gc; II (1) D [Ex ia Da] IIIC; I (M1) [Ex ia Ma] I IECEX/INMETRO: Ex ec [ia Ga] IIC T4 Gc; [Ex ia Da] IIIC; [Ex ia Ma] I cULus (Zone classified): AEx nA IIC T4 Gc; Ex nA IIC T4 Gc X cULus (Devision classified): Class I, Div. 2, Group A B C D, T4	
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 VAC	

Connection data		
Connectable conductor materials	Copper	
Connection type	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	
Connection technology: field supply	2 x CAGE CLAMP®	

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		2.034 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 left, horizontal right, horizontal top, horizontal bottom, vertical top and vertical bottom
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)
PU (SPU)		1 pcs
Packaging type		Box
Country of origin		DE
GTIN		4045454961909
Customs tariff number		85389091890

Product Classification		
UNSPSC		39121004
eCl@ss 10.0		27-24-26-10
eCl@ss 9.0		27-24-26-10
ETIM 9.0		EC001600
ETIM 8.0		EC001600
ECCN		NO US CLASSIFICATION

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



Environmental Product Compliance	
SCIP notification number (Sweden)	a8f2598e-8225-4e57-84ed-8ccaa13ba2aa

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083	EU-Ex-Declaration of Con- formity WAGO GmbH & Co. KG	-	-
KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-SPP750	UK-Ex-Declaration of Con- formity WAGO GmbH & Co. KG	-	-
UL Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)	-	E175199			

Approvals for marine applications			Approvals for hazardous areas		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	22-2219060	AEx UL International Germany GmbH	UL 60079	E480271
BV Bureau Veritas S.A.	-	30389/C0 BV	ATEX TUEV Nord Cert GmbH	EN 60079-0	TUEV12ATEX106032X (Ex ec[iaGa] IIC T4 Gc, [Ex ia- Da] IIIC, [Ex iaMa] I)
DNV DNV GL SE	DNV-CG-0339,Aug.2021	TAA0000194	CCC CNEX	CNCA-C23-01	2020312310000211 (Ex ec IIC T4 Gc)
KR Korean Register of Ship- ping	-	KR HMB05880-AC001	INMETRO TÜV Rheinland do Brasil Ltda.	-	TÜV_14.1911_X
LR Lloyds Register EMEA	-	LR22180952TA	KTL Korea Testing Laboratory	KOSHA Article 34, IEC60079-0	20-KA4BO-0093X
PRS Polski Rejestr Statków	-	TE/1101/880590/23	UKEx Element Materials Techno- logy UK	-	EMA21UKEX0069X
RINA RINA Germany GmbH	-	ELE343521XG001	UL Underwriters Laboratories Inc. (HAZARDOUS LOCA- TIONS)	UL 121201	E198726



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance 750-606			↓

Documentation			
Manual		System Description	
Product Manual 24VDC 1.0A Ex i power supply	1035160331 3 en-US 2024-12-09 13:28 17.12.2024	pdf	3271.50 KB
System Manual Series 750/753		pdf	953.35 KB
		pdf	770.48 KB
		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

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
			
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