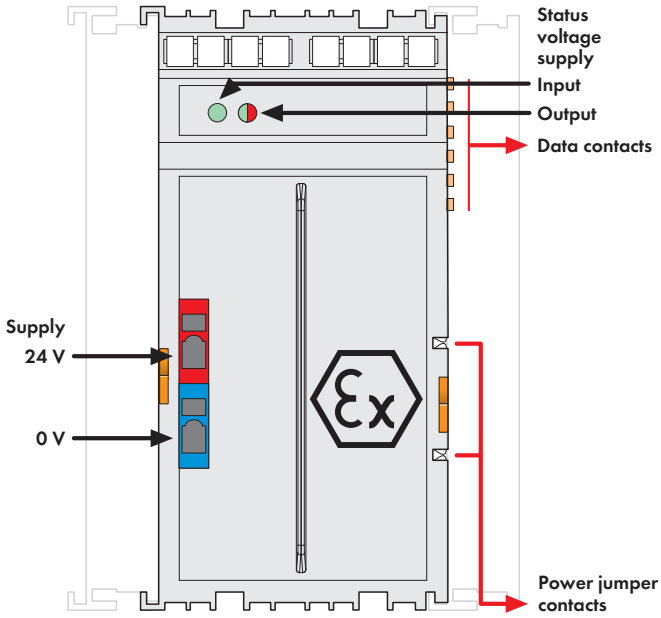
Supply Module 24 V DC, 1.0 A Ex i



Delivered without miniature WSB markers

This supply module provides power to all intrinsically safe 750 Series Ex i modules. It also monitors 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. Input and output sides are electrically isolated from each other.
The maximum current available from the supply module is 1.0A. When setting up the Ex-i segment, it must be ensured that this total current is not 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 approx. 10 sec.

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

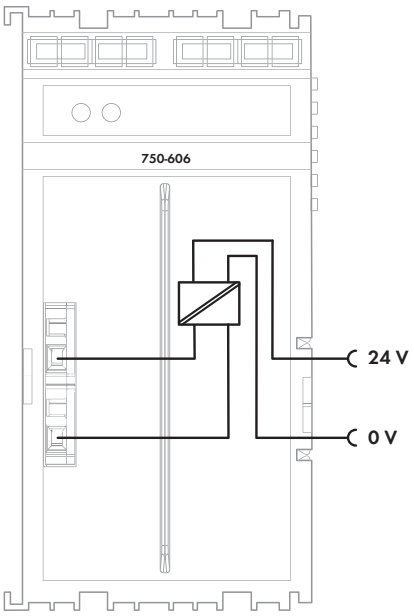
LED displays:
- LED green (input voltage)
- LED green/red (output voltage available/not available)

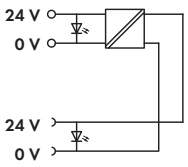
Note:
General information (e.g., installation regulations) on explosion protection is available in the WAGO-I/O-SYSTEM 750 manuals!

Description	Item No.	Pack. Unit
24V DC 1.0A power supply Ex i	**750-606**	1
24V DC 1.0A power supply Ex i (without diagnostics)	**750-625/000-001**	1

Accessories		Item No.	Pack. Unit
Miniature WSB Quick marking system			
	plain	**248-501**	5
	with marking	see Section 11	

Technical Data	
Current consumption, system voltage typ.	
(5 VDC)	7.5 mA
Max. nominal output voltage via power	
jumper contacts	24 VDC
Current via power jumper contacts (max.)	1 ADC
Input voltage	24 VDC (-25% ... +30%)
Power consumption $P_{max.}$	29 W
Power loss P_V	< 5 W
Fuse	electronic
Bit width	750-606:
	2 bits (input voltage failure, fuse triggered)





Technical Data

Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 1.5 mm² / AWG 28 ... 14
Strip lengths	5 ... 6 mm / 0.22 in
Width	48 mm
Weight	44 g
EMC immunity of interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-3, marine applications

Explosion Protection

Power supply, input	U_n = 24 VDC (-25 % ... +30 %);
	P_{max} = 29 W; U_m = 253 V
Power supply, output	U_o = 27.3 V (intrinsically safe output
	voltage acc. to type of protection ia);
	I_n = 1 A

Standards, Guidelines and Approvals

Conformity marking	CE
ATEX Guideline 2014/34/EU	EN 60079-0, -7, -11, -26, -31
EC EMC guideline 2014/30/EU	
Marine applications	ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA
E175199 Ordinary Locations	
TÜV 12 ATEX 106032 X	I M2 Ex d I Mb,
	II 3 G Ex ec IIC T4 Gc,
	II 3 D Ex tc IIIC T135°C Dc
IECEx TUN 12.0039 X	Ex d I Mb,
	Ex ec IIC T4 Gc,
	Ex tc IIIC T135°C Dc
TÜV 14.1911 X	Ex d I Mb,
	Ex nA IIC T4 Gc,
	Ex tc IIIC T135 °C Dc
UL E480271 Hazardous Locations	Cl I Zn 2 AEx nA IIC T4 Gc
(Zone classified)	Ex nA IIC T4 Gc X
UL E198726 Hazardous Locations	Class I, Div. 2, Group A B C D, T4
(Division classified)	