

The programmable fieldbus controller for *DeviceNet™* combines the functionality of the *DeviceNet™* fieldbus coupler with the functionality of a Programmable Logic Control (PLC).

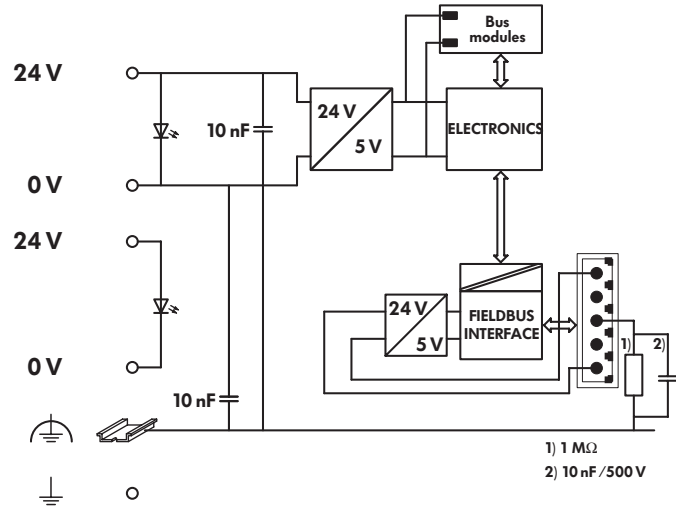
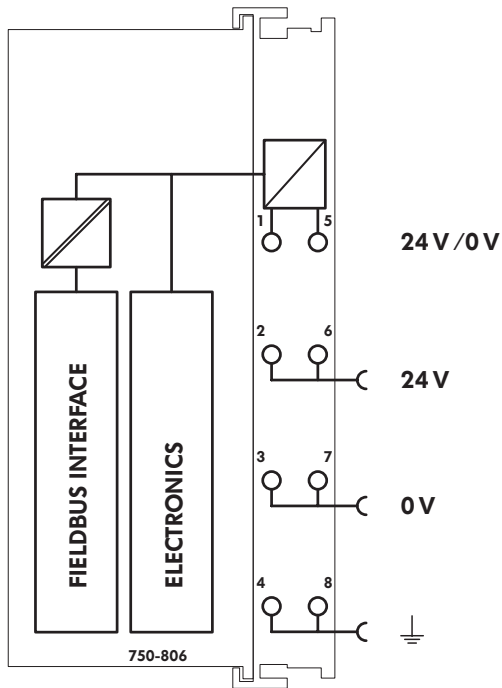
Programming of the application is done with WAGO-I/O-PRO 32 in accordance with IEC 61131-3, covering all 5 programming languages. The programmer can access all fieldbus and I/O data.

Characteristics and use:

- The use of decentralized control can better support a PLC or PC
- Signal pre-processing reduces fieldbus transmissions
- Complex applications can be divided into multiple tasks
- Tasks can be prioritized
- Peripheral equipment can be controlled directly, resulting in faster system response times
- Programmable response in the event of a fieldbus failure
- Simple, self-sufficient control

Note: EDS files required

Description	Item-No.	Pack.-unit pcs	System Data	
Contr. DeviceNet	750-806	1	Max. no. of nodes	64 with scanner
			Max. no. of I/O points	ca 6000 (depends on master)
			Transmission medium	shielded Cu cable, trunk line: AWG 15, 18 (2 x 0.82 mm ² + 2 x 1.7 mm ²) drop line: AWG 22, 24 (2 x 0.2 mm ² + 2 x 0.32 mm ²)
			Max. length of bus line	100 m ... 500 m (depends on the baud rate / on the cable)
			Baud rate	125 kbaud, 250 kbaud, 500 kbaud
			Buscoupler connection	5-pole male connector, series 231 (MCS), female connector 231-305/010-000/050-000 is included
			Programming	WAGO-I/O-PRO 32
			IEC 61131-3	IL, LD, FBD, ST, FC



Technical Data		General specifications	
Max. no. of I/O modules	64	Operating temperature	0 °C ... +55 °C
Fieldbus		Wire connection CAGE CLAMP®	0.08 mm ² ... 2.5 mm ² ; AWG 28 ... 14
-Input process image	max. 1024 bytes		8 ... 9 mm / 0.33 in stripped length
-Output process image	max. 1024 bytes	Dimensions (mm) W x H x L	51 x 65* x 100
-Input variables	max. 512 bytes		* from upper edge of DIN 35 rail
-Output variables	max. 512 bytes	Weight	ca 195 g
Program memory	128 kbytes	Storage temperature	-25 °C ... +85 °C
Data memory	64 kbytes	Relative air humidity	95% no condensation
Non-volatile memory	8 kbytes	Vibration and shock resistance	acc. to IEC 60068-2-6 acc. to IEC 60068-2-27
Cycle time	<3 ms for 1,000 statements / 256 dig. I/Os	Degree of protection	IP 20
Configuration	via PC or control	EMC CE -Immunity to interference	acc. to EN 50082-2 (1996)
DeviceNet features	Polled I/O Message Connection Strobed I/O Message Connection Change of State / Cyclic Message Connection UCMM DeviceNet master can be programmed using function blocks	EMC CE -Emission of interference	acc. to EN 50081-1 (1993)
Voltage supply	DC 24 V (-15 % ... +20 %)		
Current consumption			
- Controller supply	<500 mA at 24 V		
- CAN interface	<120 mA at 11 V		
Efficiency of the power supply	87 %		
Internal current consumption	350 mA at 5 V		
Total current for I/O modules	1650 mA at 5 V		
Isolation	500 V system / supply		
Voltage via power jumper contacts	DC 24 V (-15 % ... +20 %)		
Current via power jumper contacts _{max}	DC 10 A		
		Approvals	
		eUL _{US}	see pages 1.10 ... 1.13
		Ex	II 3 GD EEx nA II T4, Class I Div2 ABCD T4A
		Conformity marking	CE
		Accessories	Item-No.
			Pack.-unit pcs
		EDS files	Download: www.wago.com
		Miniature WSB quick marking system	
		plain	248-501 5
		with marking	see pages 1.174 ... 1.175