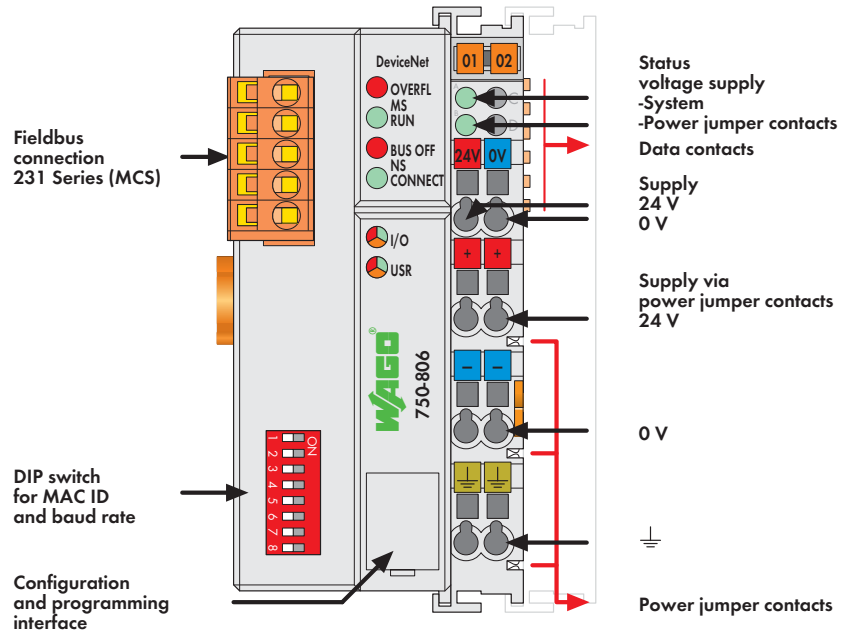


# PLC - DeviceNet Programmable Fieldbus Controller

16-bit CPU



The DeviceNet PLC combines control functionality, I/O interface and fieldbus in one device.

Programming of the application is done in accordance with IEC 61131-3. The programmer can access all fieldbus and I/O data.

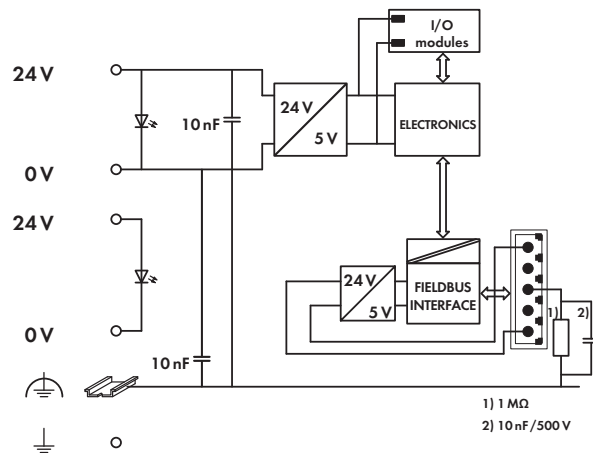
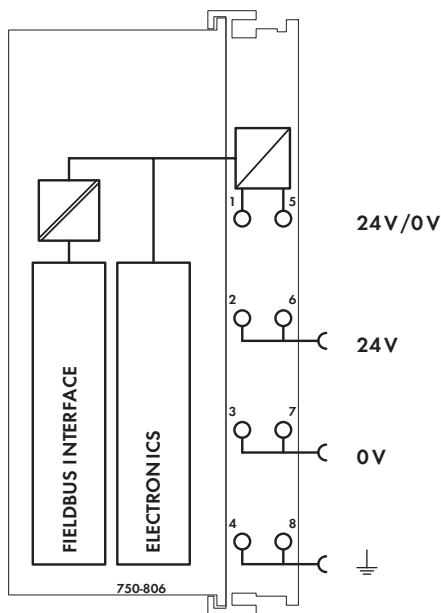
Features and applications:

- Use of decentralized control can better support a PLC or PC
- Complex applications can be divided into individually testable units
- Programmable fault response in the event of a fieldbus failure
- Signal pre-processing reduces fieldbus transmissions
- Peripheral equipment can be controlled directly, resulting in faster system response times
- Stand-alone, compact controller

**Notice: EDS files required**

Description	Item No.	Pack. Unit
Contr. DeviceNet	750-806	1
<b>Accessories</b>		
EDS files	Download: <a href="http://www.wago.com">www.wago.com</a>	
WAGO-I/O-PRO V2.3, RS-232 kit	759-333	1
Miniature WSB Quick marking system		
plain	248-501	5
with marking	see Section 11	
<b>Approvals</b>		
Conformity marking	CE	
Korea Certification	K	
Marine applications	ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	
TÜV 12.1297 X (Brazil)	Ex nA IIC T4 Gc	
TÜV 07 ATEX 554086 X	I M2 Ex d I Mb, II 3 G Ex nA IIC T4 Gc, II 3 D Ex tc IIIC T135°C Dc	
IECEx TUN 09.0001 X	Ex d I Mb, Ex nA IIC T4 Gc, Ex tc IIIC T135°C Dc	

System Data	
No. of controllers connected to Master	64 with scanner
Max. no. of I/O points	approx. 6000 (depends on master)
Transmission medium	Shielded Cu cable Trunk line: 2 x 0.82 mm <sup>2</sup> + 2 x 1.7 mm <sup>2</sup> Drop line: 2 x 0.2 mm <sup>2</sup> + 2 x 0.32 mm <sup>2</sup>
Max. length of bus line	100 m ... 500 m (depends on baud rate/ cable)
Baud rate	125 Kbaud, 250 Kbaud, 500 Kbaud
Buscoupler connection	5-pole male connector, 231 Series (MCS), female connector 231-305/ 010-000/ 050-000 (included)
Programming	WAGO-I/O-PRO 32, from firmware version SW 08, also programmable with WAGO- I/O-PRO V2.3
IEC 61131-3	IL, LD, FBD (CFC), ST, FC



Technical Data		General Specifications	
Number of I/O modules	64	Operating temperature	0 °C ... +55 °C
Max. input process image	1024 bytes	Wire connection	CAGE CLAMP®
Max. output process image	1024 bytes	Cross sections	0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 28 ... 14
Max. input variables	512 bytes	Strip lengths	8 ... 9 mm / 0.33 in
Max. output variables	512 bytes	Dimensions (mm) W x H x L	51 x 65 x 100
Configuration	via PC or PLC		Height from upper-edge of DIN 35 rail
Program memory	128 Kbytes	Weight	200 g
Data memory	64 Kbytes	Storage temperature	-25 °C ... +85 °C
Non-volatile memory (retain)	8 Kbytes	Relative air humidity (no condensation)	95 %
Cycle time	< 3 ms for 1,000 statements / 256 dig. I/Os	Vibration resistance	acc. to IEC 60068-2-6
DeviceNet features	Polled I/O message connection	Shock resistance	acc. to IEC 60068-2-27
	Strobed I/O message connection	Degree of protection	IP20
	Change of state	EMC immunity of interference	acc. to EN 61000-6-2, marine applications
	Cyclic message connection	EMC emission of interference	acc. to EN 61000-6-4, marine applications
	UCMM		
	DeviceNet master can be programmed using function blocks		
Power supply	24 V DC (-25 % ... +30 %)		
Current consumption			
via power supply terminal	< 500 mA / 24 V		
via DeviceNet interface	< 120 mA / 11 V		
Power supply efficiency	87 %		
Internal current consumption (5 V)	350 mA		
Total current for I/O modules (5 V)	1650 mA		
Isolation	500V system/supply		
Voltage via power jumper contacts	24 V DC (-25 % ... +30 %)		
Current via power jumper contacts (max.)	10 A DC		