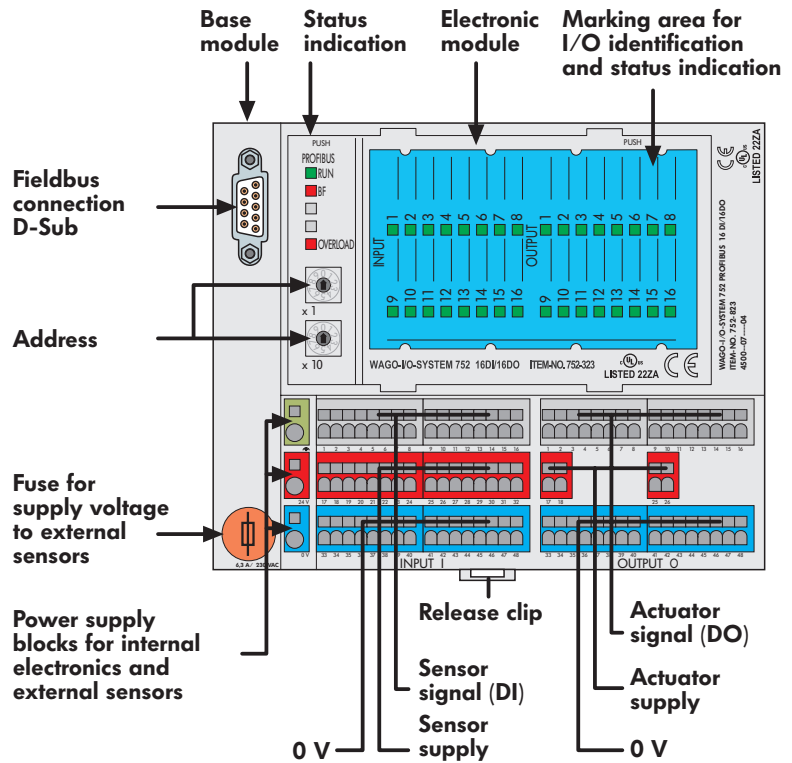
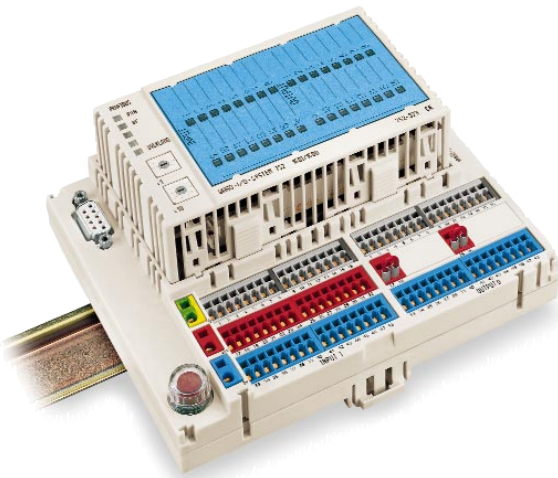


PROFIBUS DP

I/O module; EN 50170; 12 Mbaud; digital signals



The WAGO I/O SYSTEM 752 for PROFIBUS DP is part of the range of WAGO compact fieldbus nodes for decentralized automation. It has a fixed number of digital inputs (DI) and digital outputs (DO) and transfers the signals via PROFIBUS DP to a supervisory control. Several variations are available.

A fieldbus node consists of

- base module and
- pluggable electronic module.

The base module allows pre-wiring of the fieldbus and sensor/actuator connections. The electronic module incorporates the electronics and is plugged onto the base module. An electronic module can be replaced without interfering with the field wiring.

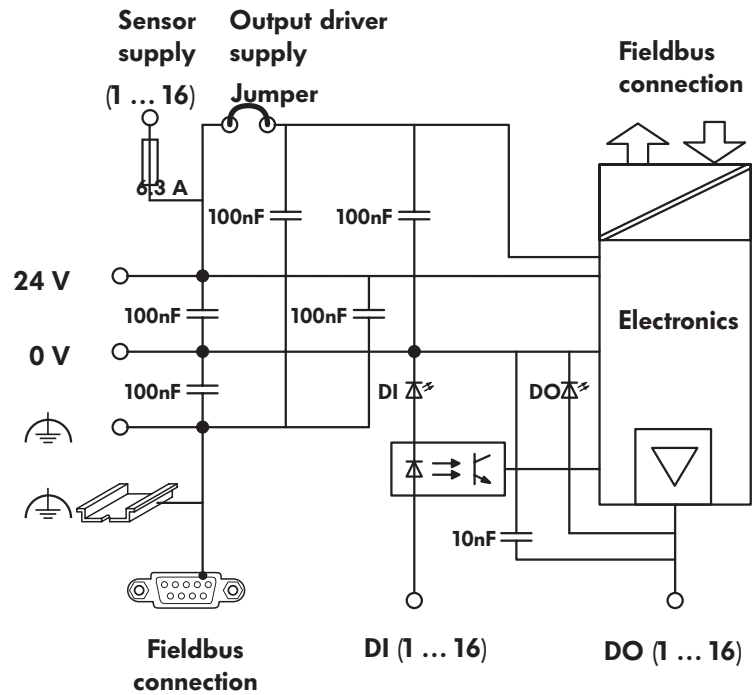
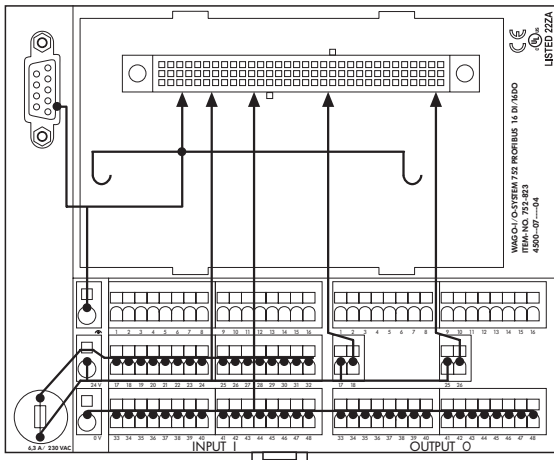
The WAGO CAGE CLAMP® connection is utilized for both the power supply to the electronic module and field terminals for the sensors and actuators.

Power supply terminals can each supply 8 digital output circuits, as an example, to establish safety circuits.

The power supply to the sensors is protected by a fuse.

Note: GSD files required

Description		Item-No.	Pack.-unit pcs
PROFIBUS DP Electronic Module 16DI/16DO		752-323	1
PROFIBUS DP Base Module 16DI/16DO		752-823	1
Standards and Approvals		System Data	
Standard	EN 50170	Max. no. of nodes	96 with repeater
US	E 175199, UL508	Max. no. I/O points	approx. 6000 (depends on master)
Conformity marking	CE	Transmission medium	Cu cable acc. to EN 50170
		Max. length of fieldbus segment	100 m ... 1,200 m (depends on baud rate / on the cable)
Accessories		Baud rate	9.6kbaud ... 12Mbaud
GSD files	Download: www.wago.com	Buscoupler connection	1 x D-Sub 9; socket
Marking	page 2.14	Local diagnostics	
		- status indication	LED RUN (green)
		- bus failure	LED BF (red)
		- overload indication	LED OVERLOAD (red)



Technical Data			
General specifications		Outputs	
Supply voltage	DC 24 V (-15 % ... +20 %)	Number of outputs	16
Current consumption (no load connected)	< 100 mA at 24 V	Rated voltage	DC 24 V (-15 % ... +20 %)
Operating temperature	0 °C ... +55 °C	Rated current	
Isolation	between fieldbus and internal electronics	- max. per output	500 mA
Wire connection		- max. per group	4 A
- power supply (main incoming supply)	CAGE CLAMP® 0.08 mm ² ... 2.5 mm ² AWG 28 ... 12	- max. per module	8 A
- sensors, actuators	CAGE CLAMP® 0.08 mm ² ... 1.5 mm ² AWG 28 ... 16	Leakage current	< 2 mA
- power supply for actuators (8 circuit group)	CAGE CLAMP® 0.08 mm ² ... 1.5 mm ² AWG 28 ... 16	Short circuit protection	electronic, automatic restart
Degree of protection	IP 20	Max. operating frequency (without bus)	
Dimensions (mm) W x H x L	155 x 59.8* x 128.7 * from upper edge of the rail	- resistive load	1 kHz
Fixing	snap mounting onto TS 35 DIN carrier rail	- inductive load	6 Hz (utilization category DC 13)
Fitting position	vertical and horizontal	Isolation electronics / field side	none
Weight	approx. 500 g	Diagnostics	short circuit indication via LED (OVERLOAD) for the entire module; message via bus for groups of 4 outputs
Reverse voltage protection	yes	Power supply	Main incoming supply: via supply terminals 24 V, 0 V, \perp
Status indication	by LED	Circuit groups: via supply terminals for 8 outputs	
Inputs			
Number of inputs	16		
Input	in accordance with EN 61131-2, type 1		
Wire connection	3 wires		
Max. input voltage	DC 24 V (-15 % ... +20 %)		
Signal voltage (0)	DC -3 V ... +5 V		
Signal voltage (1)	DC 15 V ... 30 V		
Time constant	3 ms		
Isolation electronics / field side	none		
Fuse	TR 5; T 6.3 A		
Use UL Recognized fuses only!			