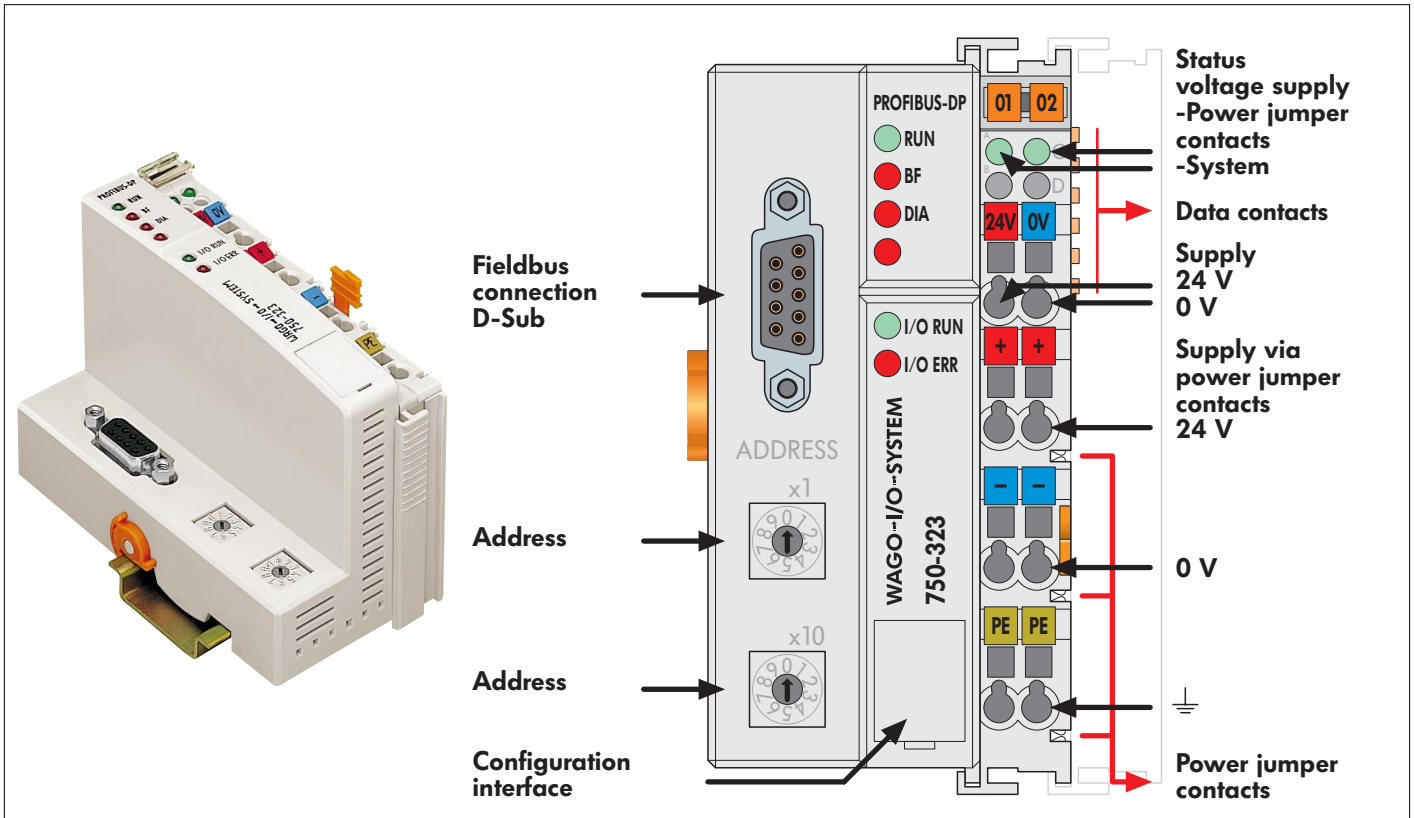


PROFIBUS DP
Fieldbus Coupler; EN 50170; 12 MBaud; digital signals



Description	Item-No.	Pack.-unit pcs
PROFIBUS DP 12 MBd/Digital	750-323	1

This buscoupler allows connection of the WAGO I/O SYSTEM as a slave to the PROFIBUS DP fieldbus.

The buscoupler is capable of supporting all digital bus modules and automatically configures, creating a local process image.

The local process image is divided into two data zones containing the data received and the data to be sent. The process data can be sent via the PROFIBUS DP fieldbus to the PLC, PC or NC for further processing, and received from the field via PROFIBUS DP.

The data of the analog modules is stored in the process image which is created automatically according to the order in which the modules are connected to the buscoupler. The bits of the digital modules are sent byte by byte and added to the analog data. If the amount of digital information exceeds 8 bits, the buscoupler automatically starts with a new byte.

System Data

Max. no. of nodes	96 with repeater
Max. no. of I/O points	ca. 6000 (depends on master)
Transmission medium	Cu cable acc. to EN 50170
Max. length of fieldbus segment	100 m ... 1200 m (depends on the baud rate/on the cable)
Baud rate	9.6kBaud ... 12MBaud
Transmission time	typ. 1 ms (10 nodes; 32 Is, 32 Os per node) max. 3.3 ms
Buscoupler connection	1 x D-SUB 9; socket

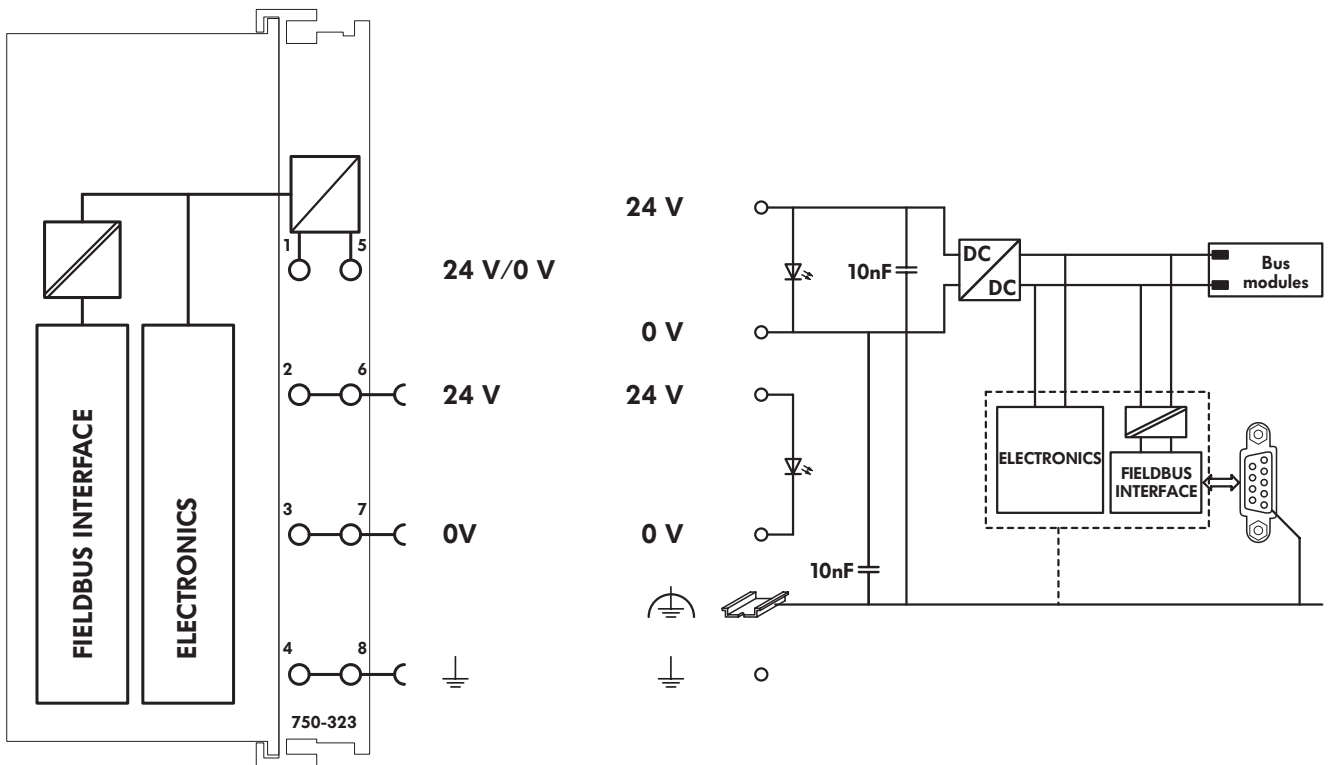
Standards and Approvals

UL	E175199, UL508
UL	E198726, UL1604 Class I Div2 ABCD T4A
KEMA	01ATEX1024 X EEx nA II T4
Standard	EN 50170
Conformity marking	CE

Accessories

GSD files	750-910
Miniature WSB quick marking system	pages 1.166 / 167

**Note: For PROFIBUS applications please also order GSD files.
 Item-No. 750-910.
 or
 download it from: www.wago.com**



Technical Data

Max. no. of I/O modules	64
Fieldbus	
Input process image	max. 32 bytes
Output process image	max. 32 bytes
Configuration	via PC or PLC
Voltage supply	DC 24 V (-15 % ... +20 %)
Input current _{max.}	500 mA at 24 V
Efficiency of the power supply	87 %
Internal current consumption	350 mA at 5 V ¹⁾
Total current for I/O modules	1650 mA at 5 V ²⁾
Isolation	500 V system / supply
Voltage via power jumper contacts _{max.}	DC 24 V (-15 % ... +20 %)
Current via power jumper contacts _{max.}	DC 10 A
Operating temperature	0 °C ... +55 °C
Wire connection	CAGE CLAMP®
	0.08 mm ² ... 2.5 mm ²
	AWG 28 ... 14
	8 ... 9 mm / 0.33 in stripped length
Dimensions (mm) W x H x L	51 x 65* x 100
	* from upper edge of DIN 35 rail
Weight	ca 180 g
Storage temperature	-25 °C ... +85 °C
Relative air humidity	95 % no condensation
Vibration and shock resistance	acc. to IEC 60068-2-6
Degree of protection	IP 20
EMC	
Immunity to interference	acc. to EN 50082-2 (96)
Emission of interference	acc. to EN 50081-2 (94)

¹⁾ as from version 0101, previous versions 400 mA

²⁾ as from version 0101, previous versions 600 mA