750-370

PROFINET IO Fieldbus Coupler

2-port; 100 Mbit/s; digital and analog signals

Fieldbus connection RJ-45

Fieldbus connection RJ-45

Dip switch

Configuration interface

Status voltage supply
-System
-Power jumper contacts
Data contacts

Supply
24 V
0 V

Supply via power jumper contacts
24 V

0 V

Power jumper contacts
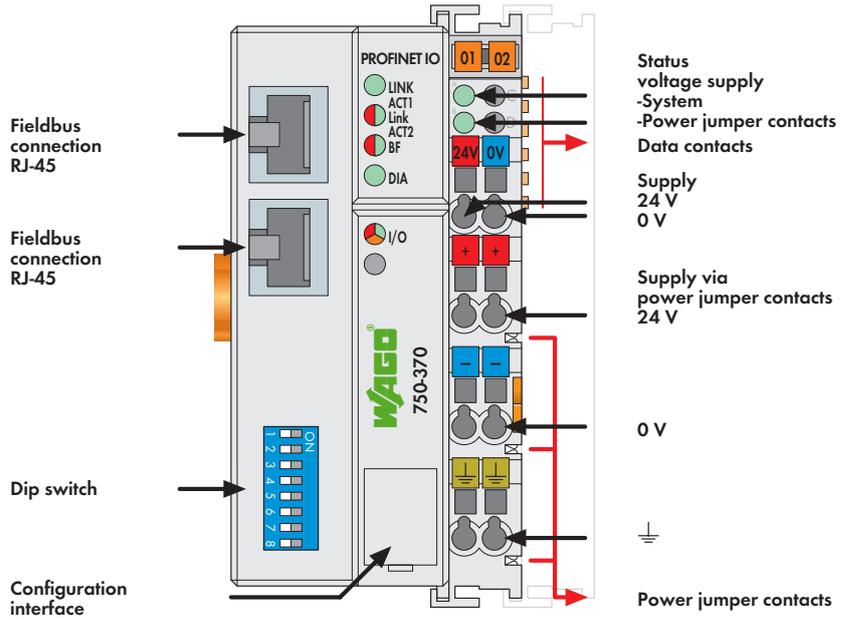
This fieldbus coupler connects to the WAGO-I/O-SYSTEM as a slave of the PROFINET IO, the open Industrial ETHERNET standard for automation. The fieldbus coupler supports all I/O modules. The buscoupler automatically configures, creating a local process image which may include analog, digital or specialty modules. Analog and specialty module data is sent via words and/or bytes; digital data is sent bit by bit.
This buscoupler can integrate into the application as a PROFINET IO device. The buscoupler features an integrated 2-port switch, allowing easy line structure creation without requiring any additional network components. The device name can be assigned via LLDP protocol or be adjusted by a DIP switch if the protocol is not supported by the control systems.

Description	Item No.	Pack. Unit
PROFINET IO 100 MBit 2-port	**750-370**	1

System Data	
No. of couplers connected to Master	limited by PROFINET specification
Transmission medium	Twisted Pair S-UTP 100 Ω cat. 5
Max. length of fieldbus segment	100 m between switch and 750-370; max. length of network limited by PROFINET specification
Baud rate	10/100 Mbit/s
Buscoupler connection	2 x RJ-45
Protocols	PROFINET IO RT, DCP, SNMP, LLDP

Accessories	Item No.	Pack. Unit
Miniature WSB Quick marking system		
plain	248-501	5
with marking	see pages 304 ... 305	

Approvals

Conformity marking	CE

Technical Data

Number of I/O modules	64
with bus extension	128
Fieldbus	
Max. input process image	320 bytes
Max. output process image	320 bytes
Configuration	via PC
Voltage supply	24 V DC (-15 % ... +20 %)
Max. input current (24 V)	500 mA
Efficiency of the power supply	87 %
Internal current consumption (5 V)	300 mA
Total current for I/O modules (5 V)	1700 mA
Isolation	500 V system/supply
Voltage via power jumper contacts	24 V DC (-15 % ... +20 %)
Current via power jumper contacts (max.)	10 A DC

General Specifications

Operating temperature	0 °C ... +55 °C
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths	8 ... 9 mm / 0.33 in
Dimensions (mm) W x H x L	51 x 65 x 100
	Height from upper-edge of DIN 35 rail
Weight	180 g
Storage temperature	-25 °C ... +85 °C
Relative air humidity (no condensation)	95 %
Vibration resistance	acc. to IEC 60068-2-6
Shock resistance	acc. to IEC 60068-2-27
Degree of protection	IP20
EMC C€-Immunity to interference	acc. to EN 61000-6-2 (2005)
EMC C€-Emission of interference	acc. to EN 61000-6-3 (2007)

WAGO®