



PN/PN Coupler

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- Very compact design for DIN rail mounting
- Exchange of up to 1024 bytes of I / O data
- Data record transfer with up to 4096 bytes
- Redundant power supply
- Galvanic separation of the nets
- Configuration just with GSDML file, no further software required
- No influence on the opposite side in case of failure of the bus system
- PROFINET transmission rate 100 Mbps

With the PN/PN Coupler, a simple and uncomplicated connection of two separate PROFINET networks is possible. The PN/PN Coupler enables data transmission between two PROFINET controllers. A PROFINET IO device is on both PROFINET network sides. Received input data on one of the network sides is made available as output data to the other network side. The IO data transfer takes place live and as quickly as possible without additional handling blocks.

The maximum size of the transmitted IO data is 1024 bytes. Up to 16 slots for IO modules of 1 byte and up to 128 bytes are available. With the "data record transfer" function, even large amounts of data with up to 4096 bytes can be exchanged between the machines using the FIFO principle. The data record transfer uses standard PLC handling blocks. The incorporation into the PLC engineering tool is made possible by a GSDML file; special configuration software isn't necessary.

Technical specifications

General information	
Order number	700-158-3PN02
Article name	PN/PN Coupler
Scope of delivery	PN/PN Coupler, Quick Start Guide and CD with GSDML file
Dimensions (DxWxH)	32.5 x 58.5 x 76 mm
Weight	Approx. 135 g
PROFINET interface	
Number	2 with 2 ports each
Protocol	PROFINET IO Device as defined in IEC 61158-6-10
Physical layer	Ethernet
Transmission rate	100 Mbps full duplex
I/O image size	max. 1024 bytes
Connection	4x RJ45
integrated switch	Yes
Features	Media redundancy (MRP client), automatic addressing, topology detection (LLDP, DCP), diagnosis alarms, conformance class B
Voltage supply	

Voltage supply	24 V DC (18 - 28 V DC)
Current draw	max. 210 mA
Ambient conditions	
Ambient temperature	0 °C to 60 °C
Transport and storage temperature	-20 °C to 80 °C
Protection rating	IP 20
Certifications	CE
CE	
RoHS	Yes
REACH	Yes