



Features

- ✓ 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
- ✓ Can be used in PROFI-safe applications

PROFINET Coupler, PN/PN

Machines and systems can be linked with fieldbus couplers. This makes data exchange between different control worlds possible. A complex CPU-to-CPU communication can be omitted. Depending on the fieldbus, the integration takes place via device description files such as GSD, GSDML or EDS.

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

General information

Order number	700-158-3PN02
Article name	PN/PN Coupler
Scope of delivery	PN/PN Coupler with power supply plug
Dimensions (DxWxH)	32.5 x 58.5 x 76 mm

Weight	Approx. 135 g
PROFINET interfaces (X1 / X2)	
Number	2
Connection	4x RJ45, 2 integrated switches
Protocol	PROFINET IO Device as defined in IEC 61158-6-10
Transmission rate	100 Mbps full duplex
I/O image size	max. 1024 bytes
Features	Media redundancy (MRP client)
	automatic addressing,
	topology detection (LLDP, DCP),
	diagnosis alarms,
	PROFINET conformance class B
Status indicator	
Funktion status	9 LEDs
Ethernet status	8 LEDs
Power supply	
Operating voltage	24 V DC (18 - 28 V DC)
Current draw	max. 140 mA
Power dissipation	max. 3.4 W
Ambient conditions	
Ambient temperature	0 °C to 60 °C
Transport and storage temperature	-20 °C to 80 °C
Protection rating	IP 20
Mounting position	as desired
Approvals	CE, UL
UL	
UL	UL 61010-1 / UL 61010-2-201
Voltage supply	DC 24 V (18 ... 28 VDC, SELV and limited energy circuit)
Pollution degree	2
Altitude	Up to 2000m

Temperature cable rating

87 °C

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Änderungen und Irrtümer vorbehalten