



PN/EtherNetIP Coupler

PN/EtherNetIP Coupler

- Very compact design for DIN rail mounting
- Redundant power supply
- Galvanic isolation of the networks
- Up to 1024 Byte input/output data
- 300 configurable slots for PROFINET IO data
- 3 input and 3 output assemblies
- Configuration only with GSDML file, no further software necessary
- EDS file downloadable
- Diagnostics website
- MQTT Publisher on both network sides (PROFINET & Ethernet/IP)

With the PN/EtherNetIP Coupler, a simple and uncomplicated connection of a PROFINET machine to an EtherNet/IP machine is possible. The PN/EtherNetIP Coupler allows data transmission between a PROFINET controller and an EtherNet/IP PLC.

Received input data on one side of the network are made available as output data on the other side of the network to the PLC. The I/O data exchange takes place live and as fast as possible without further handling blocks.

The maximum size of the transferable I/O data is 1024 bytes. Up to 3 input and 3 output assemblies can be configured on the EtherNet/IP network side. Up to 300 slots are available for I/O modules.

The integration into the PLC engineering tool is made possible by a GSDML file, an extra configuration software is not necessary. The configuration of the I/O data to be exchanged is performed in the Siemens engineering tool. An EDS file matching the configuration can then be downloaded from the website by the PN/EtherNetIP Coupler and used to configure the EtherNet/IP PLC.

Technical specifications

General information	
Order number	700-160-3EN02
Article name	PN/EtherNetIP Coupler
Scope of delivery	PN/EtherNetIP Coupler with power supply plug
Dimensions (DxWxH)	35 x 58 x 72 mm
Weight	Approx. 135 g
PROFINET interface	
Number	1 with 2 ports
Protocol	PROFINET IO Device as defined in IEC 61158-6-10
Transmission rate	100 Mbps full duplex
I/O image size	max. 1024 bytes of input and output data
Connection	2 x RJ45
integrated switch	Yes
Features	PROFINET Conformance Class B (in preparation), media redundancy(MRP-Client), automatic addressing, Topologieerkennung (LLDP, DCP), diagnosis alarms

EtherNet/IP interface	
Number	1 with 2 ports
Connection	2x RJ45, integrated switch
Protocol transmission model	EtherNet/IP; implicit messaging (Transport Class 1); explicit messaging (Transport Class 3)
Transmission rate	10/100 Mbit/s, full-/half duplex
Status indicator	9 LEDs function status, 8 LEDs Ethernet status
Voltage supply	
Voltage supply	24 V DC (18 - 28 V DC)
Current draw	max. 210 mA
Power dissipation	max. 5 W
Ambient conditions	
Ambient temperature	0 °C to 60 °C
Transport and storage temperature	-20 °C to 80 °C
Relative air humidity	95% non-condensing
Protection rating	IP 20
Certifications	CE, PROFINET Conformance Class B (in preparation)
CE	
RoHS	Yes
REACH	Yes