# PN/EtherNetIP Coupler

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- Very compact design for DIN rail mounting
- Redundant power supply
- Galvanic isolation of the networks
- Up to 1024 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 |

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Änderungen und Irrtümer vorbehalten. 08-2020

| 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 |