



## DP/PN coupler

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- Very compact design for DIN rail mounting
- Exchange of up to 244 bytes I/O data
- Redundant power supply
- Galvanic separation of the networks
- No influencing of the opposite side in the event of bus system failure
- Setting of the PROFIBUS addresses using DIP switches or software
- Configuration only with GSD/GSDML file; no additional software necessary
- PROFIBUS up to 12 Mbps
- PROFINET transmission rates of 100 Mbps

With the new DP/PN coupler, a simple and uncomplicated connection of PROFIBUS to PROFINET is possible. It allows data transfer between a PROFIBUS master and a PROFINET controller. The maximum size of the transmitted data is 244 bytes of input data and 244 bytes of output data. The DP/PN coupler is projected via a GSD file on the PROFIBUS side and a GSDML file on the PROFINET side. No additional configuration software is necessary.

### Technical specifications

<b>General information</b>	
Order number	700-158-3DP01
Article name	DP/PN coupler
Scope of delivery	DP/PN coupler, Quick Start Guide
Dimensions (DxWxH)	35 mm x 58 mm x 72 mm
Weight	approx. 135 g
<b>PROFINET interface</b>	
Number	2
Protocol	PROFINET IO as defined in IEC 61158-6-10
Transmission rate	100 Mbps full duplex
Connection	2x RJ45, integrated switch
Features	Media Redundancy Protocol (MRP), automatic addressing, topology detection (LLDP, DCP), diagnosis alarm
<b>PROFIBUS interface</b>	
Protocol	PROFIBUS-DP
Transmission rate	max. 12 Mbps, autom. detection
I/O image size	max. 244 bytes of input / 244 bytes of output data
Connection	9-pin D-sub female connector
<b>Status indicator</b>	9 LEDs function status, 4 LEDs Ethernet status
<b>Voltage supply</b>	
Voltage supply	24 V DC (18 ... 28 V DC)
Current draw	max. 210 mA

<b>Ambient conditions</b>	
Ambient temperature	0 °C to 60 °C
Transport and storage temperature	-20 °C to 80 °C
Protection rating	IP 20
Certifications	CE
<b>CE</b>	
RoHS	Yes
REACH	Yes