

SIMATIC DP, DISTRIBUTED I/O PN/PN COUPLER COUPLING MODULE FOR CONNECTING TWO PROFINET NETWORKS  
TRANSFER OF PROFISAFE DATA REDUNDANT POWERSUPPLY



Figure similar

General information	
Product type designation	PN/PN coupler
Installation type/mounting	
Mounting	Mounting rail 7.5 mm and 15 mm
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
Input current	
from supply voltage 1L+, max.	400 mA
Power loss	
Power loss, typ.	6 W

Interfaces	
<b>PROFINET IO</b>	
<ul style="list-style-type: none"> <li>• automatic detection of transmission rate</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Transmission rate, max.</li> </ul>	100 Mbit/s
<ul style="list-style-type: none"> <li>• RJ 45</li> </ul>	Yes; 4 RJ45 female connectors, 2 for each side
<ul style="list-style-type: none"> <li>• Number of RJ45 ports</li> </ul>	4; 2 for each side
Protocols	
Supports protocol for PROFINET IO	Yes
<b>Protocols (Ethernet)</b>	
<ul style="list-style-type: none"> <li>• SNMP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• ping</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• ARP</li> </ul>	Yes
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	No; For operation on isochronous bus
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	Yes
Diagnostic functions	Yes
<b>Diagnostics indication LED</b>	
<ul style="list-style-type: none"> <li>• Bus fault BF (red)</li> </ul>	Yes; for each side
<ul style="list-style-type: none"> <li>• Group error SF (red)</li> </ul>	Yes; for each side
<ul style="list-style-type: none"> <li>• Monitoring 24 V voltage supply ON (green)</li> </ul>	Yes; for each side
<ul style="list-style-type: none"> <li>• Connection to network LINK (green)</li> </ul>	Yes; for each port
Potential separation	
between supply voltage and electronics	Yes; to power input 2
between Ethernet and electronics	Yes
Permissible potential difference	
between different circuits	500 V DC
Isolation	
Isolation tested with	500 V
Ambient conditions	
<b>Ambient temperature during operation</b>	
<ul style="list-style-type: none"> <li>• min.</li> </ul>	0 °C
<ul style="list-style-type: none"> <li>• max.</li> </ul>	60 °C
Dimensions	
Width	120 mm; Minimized with good handling
Height	119.5 mm
Depth	75 mm; with mounting rail

## Weights

Weight, approx.

283 g

**last modified:**

08/12/2017