

SIMATIC DP, PN/PN coupler Coupling module for connecting of two PROFINET networks Transmission via PROFI-safe redundant current infeed



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	
Supports protocol for PROFINET IO	
<ul style="list-style-type: none"> <li>• automatic detection of transmission rate</li> <li>• Transmission rate, max.</li> <li>• Number of RJ45 ports</li> </ul>	Yes 100 Mbit/s 4; 2 for each side
Protocols	
Supports protocol for PROFINET IO	Yes
Protocols (Ethernet)	
<ul style="list-style-type: none"> <li>• SNMP</li> <li>• ping</li> <li>• ARP</li> </ul>	Yes Yes 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
Diagnostics function	Yes
Diagnostics indication LED	
<ul style="list-style-type: none"> <li>• Bus fault BF (red)</li> <li>• Group error SF (red)</li> <li>• Monitoring 24 V voltage supply ON (green)</li> <li>• Connection to network LINK (green)</li> </ul>	Yes; for each side Yes; for each side Yes; for each side Yes; for each port
Potential separation	
between supply voltage and electronics	Yes; to power input 2
between Ethernet and electronics	Yes
Isolation	
Isolation tested with	707 V DC (type test)
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	0 °C 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:

09/11/2019