

*** Spare part *** SIMATIC DP, PN/PN coupler Coupling module for connecting two PROFINET networks Transmission via PROFINET Redundant current infeed



Figure similar

General information	
Product type designation	PN/PN coupler
Firmware version	
<ul style="list-style-type: none"> FW update possible 	Yes
Product function	
<ul style="list-style-type: none"> Isochronous mode 	No; For operation on isochronous bus
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	
<ul style="list-style-type: none"> 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"> • automatic detection of transmission rate • Transmission rate, max. • Number of RJ45 ports 	<p>Yes</p> <p>100 Mbit/s</p> <p>4; 2 for each side</p>
1. Interface	
Protocols	
<ul style="list-style-type: none"> • Media redundancy 	Yes; as MRP client
2. Interface	
Protocols	
<ul style="list-style-type: none"> • Media redundancy 	Yes; as MRP client
Protocols	
Supports protocol for PROFINET IO	Yes
Protocols (Ethernet)	
<ul style="list-style-type: none"> • SNMP • ping • ARP 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
Redundancy mode	
<ul style="list-style-type: none"> • MRP 	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"> • Bus fault BF (red) • Group error SF (red) • Monitoring 24 V voltage supply ON (green) • Connection to network LINK (green) 	<p>Yes; for each side</p> <p>Yes; for each side</p> <p>Yes; for each side</p> <p>Yes; for each port</p>
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

- min. 0 °C
- max. 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: 03/03/2020