

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

Address area	
Addressing volume	
• Inputs	1 024 byte; Total, including outputs
• Outputs	1 024 byte; Total, including inputs
Interfaces	
PROFINET IO	
• automatic detection of transmission rate	Yes
• Transmission rate, max.	100 Mbit/s
• Services	Network management functions, network diagnostics (SNMP, MIB-2), ping, arp, PROFINET V2.0
• RJ 45	Yes; 4 RJ45 female connectors, 2 for each side
Protocols	
Supports protocol for PROFINET IO	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
Diagnostics indication LED	
• Bus fault BF (red)	Yes; for each side
• Group error SF (red)	Yes; for each side
• Monitoring 24 V voltage supply ON (green)	Yes; for each side
• Connection to network LINK (green)	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
Degree and class of protection	
Degree of protection acc. to EN 60529	
• IP20	Yes
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
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last modified: 03/16/2017 