

SIMATIC PN/CAN LINK COUPLING MODULE FOR Profinet to CAN or CANopen Fieldbus CAN 2.0A/B CANopen Manager or Slave according CiA301/302 IP20



General information	
Product type designation	PN/CAN Link
Firmware version	
<ul style="list-style-type: none"> <li>FW update possible</li> </ul>	Yes
Vendor identification (VendorID)	ID 09 00 00 53h acc. to CiA
Engineering with	
<ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated as of version</li> </ul>	STEP 7 V14 or higher
Installation type/mounting	
Mounting	DIN rail, wall mounting, portrait mounting
Mounting position	Any
Recommended mounting position	Horizontal
Supply voltage	
Type of supply voltage	24 V DC
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

Overvoltage protection	Yes
Short-circuit protection	Yes
<b>Mains buffering</b>	
• Mains/voltage failure stored energy time	10 ms

<b>Input current</b>	
Current consumption (rated value)	0.09 A
Current consumption, max.	0.11 A

<b>Power loss</b>	
Power loss, typ.	2.2 W

<b>Interfaces</b>	
Interfaces/bus type	2x Ethernet (RJ45), 1x Sub-D (9-pin)

<b>PROFINET IO</b>	
• automatic detection of transmission rate	No
• Transmission rate, max.	100 Mbit/s
• Number of RJ45 ports	2
• Number of FC (FastConnect) connections	2

<b>PROFINET functions</b>	
• Assignment of the IP address, supported	Yes
• Assignment of the device name, supported	Yes

<b>Protocols</b>	
• CAN operating modes	CAN Standard CAN 2.0A/B; CANopen Manager / Slave acc. to CiA
• Specification acc. to CiA	CiA 301 & CiA 302
• Transmission rate, min.	50 kbit/s
• Transmission rate, max.	1 000 kbit/s
• Number of slaves, max.	126
• Number of SDOs in parallel	16; Parallel
• Number of PDOs	512; Send / receive

<b>Type</b>	
— Node/life-guarding	Yes
— Heartbeat	Yes
— SYNC	Yes

### 1. Interface

Interface type	CAN according to CiA 303-1
Physics	9-pin sub D socket
Isolated	Yes; 500 V AC or 707 V DC
<b>Interface types</b>	
• Number of ports	1

### 2. Interface

Interface type	PROFINET
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Physics	Ethernet, 2-port switch, 2*RJ45
Isolated	Yes; 1 500 V AC or 2 250 V DC
<b>Interface types</b>	
• Number of ports	2
• integrated switch	Yes
<b>Functionality</b>	
• PROFINET IO Device	Yes
<b>Interrupts/diagnostics/status information</b>	
Status indicator	Yes
Alarms	Yes
Diagnostic functions	Yes
<b>Diagnostics indication LED</b>	
• RUN LED	Yes
• ERROR LED	Yes
• MAINT LED	Yes
• LINK LED	Yes
• RX/TX LED	Yes
<b>Potential separation</b>	
Potential separation exists	Yes
<b>Degree and class of protection</b>	
Degree of protection acc. to EN 60529	IP20
<b>Standards, approvals, certificates</b>	
CE mark	Yes
UL approval	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
PNO certificate	Yes
RoHS conformity	Yes
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• horizontal installation, min.	-25 °C
• horizontal installation, max.	60 °C
• vertical installation, min.	-25 °C
• vertical installation, max.	55 °C
• Vertical installation, min.	-25 °C
• Vertical installation, max.	45 °C
• Horizontal installation, min.	-25 °C
• Horizontal installation, max.	45 °C
<b>Ambient temperature during storage/transportation</b>	

- min. -40 °C
- max. 85 °C

#### Relative humidity

- Operation, max. 95 %

#### Dimensions

Width	70 mm
Height	112 mm
Depth	75 mm

**last modified:** 10/13/2017