



SIMATIC PN/M-Bus LINK coupling module for Profinet to M-Bus Fieldbus, M-Bus Master, IP20

General information	
Product type designation	PN/M-Bus LINK
Firmware version	V1.0.0
<ul style="list-style-type: none"> <li>FW update possible</li> </ul>	Yes
Product function	
<ul style="list-style-type: none"> <li>I&amp;M data</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Isochronous mode</li> </ul>	No
Engineering with	
<ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated from version</li> </ul>	STEP 7 V15 or higher
Installation type/mounting	
Mounting	DIN rail, wall mounting, portrait mounting
Mounting position	any
Recommended mounting position	Horizontal
Rail mounting	Yes
Control cabinet installation	Yes
Supply voltage	
Type of supply voltage	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
Mains buffering	
<ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>	10 ms; PN side
Input current	
Current consumption (rated value)	0.11 A; At 24 V and 5 loads
Current consumption, max.	0.4 A; At 20.4 V, 40 loads + 100 mA short-circuit current
Power loss	
Power loss, typ.	2.4 W
Interfaces	
Supports protocol for PROFINET IO	
<ul style="list-style-type: none"> <li>automatic detection of transmission rate</li> </ul>	No
<ul style="list-style-type: none"> <li>Transmission rate, max.</li> </ul>	100 Mbit/s
<ul style="list-style-type: none"> <li>Number of RJ45 ports</li> </ul>	2
<ul style="list-style-type: none"> <li>Number of FC (FastConnect) connections</li> </ul>	2
PROFINET functions	
<ul style="list-style-type: none"> <li>Assignment of the IP address, supported</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Assignment of the device name, supported</li> </ul>	Yes

1. Interface	
Interface type	M-Bus master
Isolated	No
Interface types	
<ul style="list-style-type: none"> <li>Number of ports</li> <li>Design of the connection</li> </ul>	1 3-wire screw-type terminal
M-Bus	
<ul style="list-style-type: none"> <li>Bus voltage, typ.</li> <li>Transmission rate, min.</li> <li>Transmission rate, max.</li> <li>max. number of devices</li> <li>Short-circuit detection</li> <li>short-circuit proof</li> <li>Connectable conductor cross-section</li> <li>Cable length, max.</li> </ul>	36 V 300 bit/s 9 600 bit/s 40 Yes Yes 1.5 mm <sup>2</sup> 300 m
2. Interface	
Interface type	PROFINET
Isolated	Yes; 1 500 V AC or 2 250 V DC
Interface types	
<ul style="list-style-type: none"> <li>RJ 45 (Ethernet)</li> <li>Number of ports</li> <li>integrated switch</li> </ul>	Yes 2 Yes
Protocols	
<ul style="list-style-type: none"> <li>PROFINET IO Device</li> </ul>	Yes
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
<ul style="list-style-type: none"> <li>RUN LED</li> <li>ERROR LED</li> <li>MAINT LED</li> <li>LINK LED</li> <li>RX/TX LED</li> </ul>	Yes Yes Yes Yes Yes
Potential separation	
Potential separation exists	Yes
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
CE mark	Yes
RoHS conformity	Yes
Ecological footprint	
<ul style="list-style-type: none"> <li>environmental product declaration</li> </ul>	Yes
Global warming potential	
— global warming potential, (total) [CO <sub>2</sub> eq]	50.8 kg
— global warming potential, (during production) [CO <sub>2</sub> eq]	14.4 kg
— global warming potential, (during operation) [CO <sub>2</sub> eq]	36.8 kg
— global warming potential, (after end of life cycle) [CO <sub>2</sub> eq]	-0.52 kg
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> <li>horizontal installation, min.</li> <li>horizontal installation, max.</li> <li>vertical installation, min.</li> <li>vertical installation, max.</li> <li>ceiling installation, min.</li> <li>ceiling installation, max.</li> </ul>	-25 °C 60 °C -25 °C 55 °C -25 °C 45 °C

• floor installation, min.	-25 °C
• floor installation, max.	45 °C
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Relative humidity	
• Operation, max.	95 %

<b>Dimensions</b>	
Width	70 mm
Height	112 mm
Depth	75 mm

<b>Weights</b>	
Weight, approx.	215 g

<b>Classifications</b>			
		<b>Version</b>	<b>Classification</b>
	eClass	14	27-24-22-08
	eClass	12	27-24-22-08
	eClass	9.1	27-24-22-08
	eClass	9	27-24-22-08
	eClass	8	27-24-22-08
	eClass	7.1	27-24-22-08
	eClass	6	27-24-22-08
	ETIM	10	EC001423
	ETIM	9	EC001423
	ETIM	8	EC001423
	ETIM	7	EC001423
	IDEA	4	3564
	UNSPSC	15	32-15-17-05

<b>Approvals / Certificates</b>	
<b>General Product Approval</b>	<b>Environment</b>

[Manufacturer Declaration](#)



[China RoHS](#)



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