

Product type designation

**PROFIBUS OLM P11**

PB OLM/P11 V4.0 OPTICAL LINK MODULE W. 1 RS485 AND 1 PLASTIC-FOC-INTERFACE (2 BFOC-SOCKETS), WITH SIGNAL CONTACT AND MEASURING OUTPUT,



Transmission rate

Transfer rate / with PROFIBUS	9.6 kbit/s ... 12 Mbit/s
Transfer rate / with PROFIBUS PA	45.45 kbit/s

Interfaces

Number of electrical/optical connections / for network components or terminal equipment / maximum	2
Number of electrical connections	
<ul style="list-style-type: none"> <li>• for network components or terminal equipment</li> <li>• for measuring device</li> <li>• for signaling contact</li> <li>• for power supply</li> <li>• for redundant voltage supply</li> </ul>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
Type of electrical connection	
<ul style="list-style-type: none"> <li>• for network components or terminal equipment</li> <li>• for measuring device</li> <li>• for power supply</li> <li>• for power supply and signaling contact</li> </ul>	<p>9-pin Sub-D socket</p> <p>2-pole terminal block</p> <p>-</p> <p>5-pole terminal block</p>
Number of optical interfaces / for fiber optic cable	1

Design of the optical interface / for fiber optic cable	BFOC port
<b>Optical data</b>	
Damping ratio / of the FOC transmission link <ul style="list-style-type: none"> <li>• for POF FOC with 980/1000 <math>\mu\text{m}</math> / at 230 dB/km</li> </ul>	13 dB
propagation delay [bit]	6.5 bit
Connectable optical power relative to 1 mW <ul style="list-style-type: none"> <li>• of the FOC transmission link / for PCF FOC with 200/230 <math>\mu\text{m}</math> / at 10 dB/km</li> <li>• of the FOC transmission link / for POF FOC with 980/1000 <math>\mu\text{m}</math> / at 230 dB/km</li> </ul>	-17 dB -5 dB
Optical sensitivity relating to 1 mW <ul style="list-style-type: none"> <li>• of the FOC transmission link / for PCF FOC with 200/230 <math>\mu\text{m}</math> / at 10 dB/km</li> <li>• of the FOC transmission link / for POF FOC with 980/1000 <math>\mu\text{m}</math> / at 230 dB/km</li> </ul>	-25 dB -25 dB
Wavelength <ul style="list-style-type: none"> <li>• of the FOC transmission link / for PCF FOC with 200/230 <math>\mu\text{m}</math> / at 10 dB/km</li> <li>• of the FOC transmission link / for POF FOC with 980/1000 <math>\mu\text{m}</math> / at 230 dB/km</li> </ul>	660 nm 660 nm
Wire length <ul style="list-style-type: none"> <li>• for PCF FOC with 200/230 <math>\mu\text{m}</math> / at 10 dB/km / maximum</li> <li>• for POF FOC with 980/1000 <math>\mu\text{m}</math> / at 230 dB/km / maximum</li> </ul>	400 m 80 m
<b>Signal-Inputs/outputs</b>	
Operating voltage / of the signaling contacts / at DC / Rated value	24 V
Operating current / of the signaling contacts / at DC / maximum	0.1 A
<b>Supply voltage, current consumption, power loss</b>	
Type of voltage / of the supply voltage	DC
Supply voltage / at DC / Rated value	24 V
Supply voltage / at DC	18.8 ... 28.8 V
Product component / fusing at power supply input	Yes
Consumed current / at DC / at 24 V / maximum	0.2 A
<b>Permitted ambient conditions</b>	
Ambient temperature <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %

Protection class IP	IP40
<b>Design, dimensions and weight</b>	
Design	compact
Width	39.5 mm
Height	112 mm
Depth	74.5 mm
Net weight	340 g
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
<b>Product functions / Redundancy</b>	
Product function / Ring redundancy	Yes
<b>Standards, specifications, approvals</b>	
Standard	
• for FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
• for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, EN60079-28: 2007, II 3 (2) G Ex nA [opis] IIC T4 KEMA 09 ATEX 0173X
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 Nr. 60950-1
• for hazardous zone / from CSA and UL	UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
Certificate of suitability	EN 61000-6-2, EN 61000-6-4
• CE marking	Yes
• C-Tick	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Germanische Lloyd (GL)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
<b>Further Information / Internet Links</b>	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>

- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

## Security information

### Security information

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**last modified:**

06/15/2017