

product type designation



PROFIBUS OLM/P22 V4.1

PROFIBUS OLM/P22 V4.1 Optical link module with 2 RS 485 and 3 plastic FOC interfaces (4 BFOC sockets); with signaling contact and test port

transfer 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	4
number of electrical connections	
• for network components or terminal equipment	2
• for measuring device	1
• for signaling contact	1
• for power supply	1
type of electrical connection	
• for network components or terminal equipment	9-pin Sub-D socket
• for measuring device	2-pole terminal block
• for power supply and signaling contact	5-pole terminal block
design of the optical interface / for fiber optic cable	BFOC port
optical data	
propagation delay [bit]	6.5 bit
connectable optical power relative to 1 mW	
• of the FOC transmission link / for PCF FOC with 200/230 μm / at 10 dB/km	-17 dB
• of the FOC transmission link / for POF FOC with 980/1000 μm / at 230 dB/km	-5 dB
optical sensitivity relating to 1 mW	
• of the FOC transmission link / for PCF FOC with 200/230 μm / at 10 dB/km	-23 dB
wire length	
• for PCF FOC with 200/230 μm / at 10 dB/km / maximum	400 m
• for POF FOC with 980/1000 μm / at 230 dB/km / maximum	80 m
signal inputs/outputs	
operating voltage / of the signaling contacts / at DC / rated value	24 V
operational current / of the signaling contacts / at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage / at DC / rated value	24 V
supply voltage / at DC	18 ... 32 V
product component / fusing at power supply input	Yes
consumed current / at DC / at 24 V / maximum	0.2 A
ambient conditions	

ambient temperature	
- during operation - during storage - during transport	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
relative humidity	
at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP40
design, dimensions and weights	
design	compact
width	39.5 mm
height	112 mm
depth	74.5 mm
net weight	0.34 kg
fastening method	
35 mm top hat DIN rail mounting - wall mounting	Yes Yes
product functions / redundancy	
product function / ring redundancy	Yes
standards, specifications, approvals	
standard	
- for safety / from CSA and UL - for emitted interference - for interference immunity	UL 60950-1, CSA C22.2 Nr. 60950-1 EN 61000-6-4 (Class A) EN 61000-6-2
certificate of suitability	EN 61000-6-2, EN 61000-6-4
- CE marking - C-Tick - CCC / for hazardous zone according to GB standard	Yes Yes No
Marine classification association	
- American Bureau of Shipping Europe Ltd. (ABS) - French marine classification society (BV) - Det Norske Veritas (DNV) - Germanische Lloyd (GL) - Lloyds Register of Shipping (LRS) - Nippon Kaiji Kyokai (NK)	Yes Yes Yes Yes Yes Yes
further information / internet links	
internet link	
- to website: Industrial communication - to website: Industry Mall - to website: Information and Download Center - to website: Image database - to website: CAX-Download-Manager - to website: Industry Online Support	http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
security information	
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