

product type designation



PROFIBUS OB

PROFIBUS OB; opt. bus terminal for connection of a PROFIBUS nodes without integr. opt. interface to the opt. PROFIBUS DP; without Simplex plug.

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	3
number of electrical connections	
• for network components or terminal equipment	1
• for power supply	1
type of electrical connection	
• for network components or terminal equipment	9-pin Sub-D socket
• for power supply	3-pole terminal block
• for power supply and signaling contact	-
number of optical interfaces / for fiber optic cable	2
design of the optical interface / for fiber optic cable	Duplex port
optical data	
attenuation factor / of the FOC transmission link	
• for PCF FOC with 200/230 µm / at 10 dB/km	3 dB
• for POF FOC with 980/1000 µm / at 230 dB/km	13 dB
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	-16 dB
• of the FOC transmission link / for POF FOC with 980/1000 µm / at 230 dB/km	-5.9 dB
optical sensitivity relating to 1 mW	
• of the FOC transmission link / for PCF FOC with 200/230 µm / at 10 dB/km	-22 dB
• of the FOC transmission link / for POF FOC with 980/1000 µm / at 230 dB/km	-20 dB
wavelength / of the optical interface / note	660 nm, POF/PCF
wire length	
• for PCF FOC with 200/230 µm / at 10 dB/km / maximum	300 m
• for POF FOC with 980/1000 µm / at 230 dB/km / maximum	50 m
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	19.2 ... 28.8 V
ambient conditions	
ambient temperature	

<ul style="list-style-type: none"> during operation during storage during transport 	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
relative humidity <ul style="list-style-type: none"> at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP30
design, dimensions and weights	
design	compact
width	50.5 mm
height	138 mm
depth	78 mm
net weight	400 g
fastening method <ul style="list-style-type: none"> 35 mm DIN-rail mounting wall mounting 	Yes Yes
product functions / redundancy	
product function / ring redundancy	No
standards, specifications, approvals	
standard <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> CE marking C-Tick 	EN 61000-6-2, EN 61000-6-4 Yes Yes
Marine classification association <ul style="list-style-type: none"> 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) 	No No No No No No
reference code <ul style="list-style-type: none"> according to IEC 81346-2:2019 	KGA
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	No
further information / internet links	
internet link <ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Industrial communication to web page: SiePortal to website: Image database to website: CAX-Download-Manager to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://siemens.com/industrial-communication https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
security information	
security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase</p>

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Approvals / Certificates

General Product Approval



[Declaration of Conformity](#)



[China RoHS](#)

General Product Approval	For use in hazardous locations	Maritime application
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[FM](#)

[CCC-Ex](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



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