

product type designation



SIPLUS NET OLM/P12 V4.1

SIPLUS NET OLM/P12 V4.1 based on 6GK1503-3CA01 with conformal coating, -25...+60 °C, PROFIBUS OLM/P12 V4.1 optical link module with 1 RS-485 and 2 plastic FOC interfaces (4 BFOC sockets), with signaling contact and test port

ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> in horizontal mounting position / during operation 	60 ... -25 °C
<ul style="list-style-type: none"> during storage and transport 	70 ... -40 °C
installation altitude / at height above sea level / maximum	5000 m
ambient condition / relating to ambient temperature - air pressure - installation altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)
relative humidity	
<ul style="list-style-type: none"> with condensation / according to IEC 60068-2-38 / maximum 	100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation
chemical resistance / to commercially available cooling lubricants	Yes; incl. airborne diesel and oil droplets
resistance to biologically active substances	
<ul style="list-style-type: none"> conformity according to EN 60721-3-3 	Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on request
<ul style="list-style-type: none"> conformity according to EN 60721-3-6 	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances	
<ul style="list-style-type: none"> conformity according to EN 60721-3-3 	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
<ul style="list-style-type: none"> conformity according to EN 60721-3-6 	Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (Severity degree 3); *
resistance to mechanically active substances	
<ul style="list-style-type: none"> conformity according to EN 60721-3-3 	Yes; Class 3S4 incl. sand, dust; *
<ul style="list-style-type: none"> conformity according to EN 60721-3-6 	Yes; Class 6S3 incl. sand, dust; *
environmental category / according to IEC 60721 / note	* The supplied plug covers must remain in place on the unused interfaces during operation!
coating / for equipped printed circuit board / according to EN 61086	Yes; Class 2 for high availability
type of coating	
<ul style="list-style-type: none"> protection against pollution according to EN 60664-3 	Yes; protection of the type 1
type of test / of the coating / according to MIL-I-46058C	Yes; coating discoloration during service life possible
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; conformal coating, class A

standards, specifications, approvals

certificate of suitability	
<ul style="list-style-type: none"> CE marking 	Yes

further information / internet links

internet link	
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool 	http://www.siemens.com/snst
<ul style="list-style-type: none"> to website: Industrial communication 	http://www.siemens.com/simatic-net

- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

- <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

security information

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Approvals / Certificates

General Product Approval	EMC	For use in hazardous locations	Declaration of Conformity
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[Manufacturer Declaration](#)



[CCC-Ex](#)



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