



Figure similar

SIPLUS NET CSM 1277 -40...+70 °C with conformal coating based on 6GK7277-1AA10-0AA0 Compact Switch Module CSM 1277 connection SIMATIC S7-1200 and up to 3 further nodes to Industrial Ethernet with 10/100 Mbit/s

product type designation	
product brand name	SIPLUS
product type designation	CSM 1277
Technical Product Detail Page	https://l.siemens.com/1P6AG1277-1AA10-2AA0
transfer rate	
transfer rate	10, 100 Mbit/s
ambient conditions	
ambient temperature / in horizontal mounting position / during operation	-40 ... +70 °C; > 60 °C ambient temperature on both sides 25 mm clearance on the left and right of the module to adjacent devices
installation altitude / at height above sea level / maximum	5000 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
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)
resistance to biologically active substances <ul style="list-style-type: none"> conformity according to EN 60721-3-3 conformity according to EN 60721-3-6 	Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on request 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 conformity according to EN 60721-3-6 	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * 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 conformity according to EN 60721-3-6 	Yes; Class 3S4 incl. sand, dust; * 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 / 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
protection class IP	IP20
design, dimensions and weights	

width	75 mm		
height	100 mm		
depth	45 mm		
net weight	0.2 kg		
product functions / management, configuration, engineering			
product function			
• switch-managed	No		
standards, specifications, approvals			
certificate of suitability			
• CE marking	Yes		
standard			
• for EMC interference emission	EN 61000-6-4 (Class A)		
• for immunity to EMC	EN 61000-6-2		
product functions / general			
MTBF	273 a		
further information / internet links			
internet link			
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358		
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud		
• to website: Industrial communication	https://www.siemens.com/simatic-net		
• to web page: SiePortal	https://sieportal.siemens.com/		
• to website: Image database	https://www.automation.siemens.com/bilddb		
• to website: CAX-Download-Manager	https://www.siemens.com/cax		
• to website: Industry Online Support	https://support.industry.siemens.com		
security information			
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Approvals / Certificates			
<table> <tr> <td>General Product Approval</td><td>EMV</td></tr> </table>		General Product Approval	EMV
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[Manufacturer Declaration](#)



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