



Figure similar

SIPLUS NET CSM 1277 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 | SIPLUS NET CSM 1277 |
|---|--|
| transfer rate | |
| transfer rate | 10 Mbit/s, 100 Mbit/s |
| ambient conditions | |
| ambient temperature / in horizontal mounting position / during operation | 60 ... 0 °C |
| ambient temperature / during storage and transport | 70 ... -40 °C |
| installation altitude / at height above sea level / maximum | 5000 m |
| relative humidity <ul style="list-style-type: none"> with condensation / acc. 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 acc. to EN 60721-3-3 conformity acc. 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 acc. to EN 60721-3-3 conformity acc. 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 acc. to EN 60721-3-3 conformity acc. to EN 60721-3-6 | Yes; Class 3S4 incl. sand, dust; * Yes; Class 6S3 incl. sand, dust; * |
| environmental category / acc. to IEC 60721 / note | * The supplied plug covers must remain in place on the unused interfaces during operation! |
| coating / for equipped printed circuit board / acc. 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 / acc. 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 acc. 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 | |
| standard | |
| <ul style="list-style-type: none"> for FM | FM3611: Class 1, Divison 2, Group A, B, C, D / T.., CL.1, Zone 2, GP. IIC, T.. Ta |
| <ul style="list-style-type: none"> for emitted interference | EN 61000-6-4 (Class A) |
| <ul style="list-style-type: none"> for interference immunity | EN 61000-6-2 |
| MTBF | 273 y |
| standards, specifications, approvals / CE | |
| certificate of suitability / CE marking | Yes |
| standards, specifications, approvals / hazardous environments | |
| standard / for hazardous zone | EN 600079-15:2005, EN 600079-0:2006, II 3 G Ex nA II T4, KEMA 08 ATEX 0003 X |
| standards, specifications, approvals / other | |
| certificate of suitability | EN 61000-6-2, EN 61000-6-4 |
| <ul style="list-style-type: none"> KC approval | Yes |
| <ul style="list-style-type: none"> railway application in accordance with EN 50155 | No |
| <ul style="list-style-type: none"> railway application in accordance with EN 50124-1 | No |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| <ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) | No |
| <ul style="list-style-type: none"> French marine classification society (BV) | No |
| <ul style="list-style-type: none"> Det Norske Veritas (DNV) | No |
| <ul style="list-style-type: none"> Germanische Lloyd (GL) | No |
| <ul style="list-style-type: none"> Lloyds Register of Shipping (LRS) | No |
| <ul style="list-style-type: none"> Nippon Kaiji Kyokai (NK) | No |
| <ul style="list-style-type: none"> Polski Rejestr Statkow (PRS) | No |
| 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 |
| <ul style="list-style-type: none"> to website: Industry Mall | https://mall.industry.siemens.com |
| <ul style="list-style-type: none"> to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| <ul style="list-style-type: none"> to website: Image database | http://automation.siemens.com/bilddb |
| <ul style="list-style-type: none"> to website: CAx-Download-Manager | http://www.siemens.com/cax |
| <ul style="list-style-type: none"> to website: Industry Online Support | https://support.industry.siemens.com |
| security information | |
| security information | Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity . To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com . (V3.4) |

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