

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



Figure similar

|                                                                          |  |                            |
|--------------------------------------------------------------------------|--|----------------------------|
| <b>Product type designation</b>                                          |  | <b>SIPLUS NET CSM 1277</b> |
| <b>Transfer rate</b>                                                     |  |                            |
| Transfer rate                                                            |  | 10 Mbit/s, 100 Mbit/s      |
| <b>Supply voltage, current consumption, power loss</b>                   |  |                            |
| Product component / fusing at power supply input                         |  | Yes                        |
| Fuse protection type / at input for supply voltage                       |  | 0.5 A / 60 V               |
| Consumed current / maximum                                               |  | 0.07 A                     |
| <b>Ambient conditions</b>                                                |  |                            |
| 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                                                        |  |                            |
| • with condensation / acc. to IEC 60068-2-38 / maximum                   |  | 100 %                      |

|                                                                                                                                                        |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Chemical resistance / to commercially available cooling lubricants                                                                                     | Yes  |
| Resistance to biologically active substances                                                                                                           |      |
| • conformity acc. to EN 60721-3-3                                                                                                                      | Yes  |
| • conformity acc. to EN 60721-3-6                                                                                                                      | Yes  |
| Resistance to chemically active substances                                                                                                             |      |
| • conformity acc. to EN 60721-3-3                                                                                                                      | Yes  |
| • conformity acc. to EN 60721-3-6                                                                                                                      | Yes  |
| Resistance to mechanically active substances                                                                                                           |      |
| • conformity acc. to EN 60721-3-3                                                                                                                      | Yes  |
| • conformity acc. to EN 60721-3-6                                                                                                                      | Yes  |
| Coating / for equipped printed circuit board / acc. to EN 61086                                                                                        | Yes  |
| Type of coating                                                                                                                                        |      |
| • protection against pollution according to EN 60664-3                                                                                                 | Yes  |
| Type of test / of the coating / acc. to MIL-I-46058C                                                                                                   | Yes  |
| Product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A | Yes  |
| 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                    |                                                                                    |
| • for FM                    | FM3611: Class 1, Division 2, Group A, B, C, D / T.., CL.1, Zone 2, GP. IIC, T.. Ta |
| • for hazardous zone        | EN 600079-15:2005, EN 600079-0:2006, II 3 G Ex nA II T4, KEMA 08 ATEX 0003 X       |
| • for emitted interference  | EN 61000-6-4 (Class A)                                                             |
| • for interference immunity | EN 61000-6-2                                                                       |
| MTBF                        | 273 y                                                                              |

#### Standards, specifications, approvals / CE

|                                         |     |
|-----------------------------------------|-----|
| Certificate of suitability / CE marking | Yes |
|-----------------------------------------|-----|

#### Standards, specifications, approvals / other

|                            |                            |
|----------------------------|----------------------------|
| Certificate of suitability | EN 61000-6-2, EN 61000-6-4 |
|----------------------------|----------------------------|

- Railway application in accordance with EN 50155
- Railway application in accordance with EN 50124-1
- KC approval

No  
No  
Yes

## Standards, specifications, approvals / marine classification

### Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)
- Bureau Veritas (BV)
- Det Norske Veritas (DNV)
- Germanische Lloyd (GL)
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)

No  
No  
No  
No  
No  
No  
No

## Further information / Internet-Links

### Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- 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/snst>  
<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

### 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)

last modified:

03/19/2020