

### Product type designation

### SIPLUS CSM 1277

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 ADDIT. DEVICES TO IND. ETHERNET W. 10/100 MBIT/S



Figure similar

| Transmission rate                                  |                                                                                     |
|----------------------------------------------------|-------------------------------------------------------------------------------------|
| Transfer rate                                      | 10 Mbit/s, 100 Mbit/s                                                               |
| Supply voltage, current consumption, power loss    |                                                                                     |
| 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                                                                              |
| Permitted ambient conditions                       |                                                                                     |
| Ambient temperature                                |                                                                                     |
| • during operation                                 | 0 ... 60 °C                                                                         |
| • during storage                                   | -40 ... +70 °C                                                                      |
| • during transport                                 | -40 ... +70 °C                                                                      |
| Relative humidity                                  |                                                                                     |
| • with condensation / maximum                      | 100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state) |

|                                                                                            |                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient condition / relating to ambient temperature - air pressure - installation altitude | 0 ... +60 °C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // 0 ... +50 °C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // 0 ... +40 °C at 658 hPa ... 540 hPa (+3500 m ... +5000 m)              |
| Resistance to biologically active substances / conformity acc. to EN 60721-3-3             | Yes; Compliance with EN 60721-3-3, Class 3B2 mold, fungus, and sponge spores (except fauna). The supplied plug covers must remain in place over the unused interfaces during operation!           |
| Resistance to chemically active substances / conformity acc. to EN 60721-3-3               | Yes; Compliance with EN 60721-3-3, class 3C4 incl. salt spray according to EN 60068-2-52 (severity 3). The supplied plug covers must remain in place over the unused interfaces during operation! |
| Resistance to mechanically active substances / conformity acc. to EN 60721-3-3             | Yes; Compliance with EN 60721-3-3, Class 3S4 including sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation!                                     |
| Protection class IP                                                                        | IP20                                                                                                                                                                                              |

#### Product functions / management, configuration

|                  |    |
|------------------|----|
| 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                                                                       |
| Certificate of suitability / CE marking             | Yes                                                                                |
| Certificate of suitability                          | EN 61000-6-2, EN 61000-6-4                                                         |
| • Railway application in accordance with EN 50155   | No                                                                                 |
| • Railway application in accordance with EN 50124-1 | No                                                                                 |
| • KC approval                                       | Yes                                                                                |
| Marine classification association                   |                                                                                    |
| • American Bureau of Shipping Europe Ltd. (ABS)     | No                                                                                 |
| • Bureau Veritas (BV)                               | No                                                                                 |
| • Det Norske Veritas (DNV)                          | No                                                                                 |
| • Germanische Lloyd (GL)                            | No                                                                                 |
| • Lloyds Register of Shipping (LRS)                 | No                                                                                 |
| • Nippon Kaiji Kyokai (NK)                          | No                                                                                 |
| • Polski Rejestr Statkow (PRS)                      | No                                                                                 |
| MTBF / at 40 °C                                     | 273 y                                                                              |

#### Further Information / Internet Links

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| Internet-Link                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx Download Manager</li> <li>• to website: Industry Online Support</li> </ul> | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a><br><br><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a><br><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a><br><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a><br><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a><br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |

| Security information |  |
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