

| Product-type designation                                                                                                                                                                                    |                                                                                                                                                                                                 |
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| SIPLUS CSM 1277                                                                                                                                                                                             |                                                                                                                                                                                                 |
| SIPLUS NET CSM 1277 WITH CONFORMAL COATING<br>BASED ON 6GK7277-1AA10-0AA0 . COMPACT SWITCH<br>MODULE CSM 1277 CONNECTION SIMATIC S7-1200 AND<br>UP TO 3 ADDIT. DEVICES TO IND. ETHERNET W. 10/100<br>MBIT/S |                                                                                                                                                                                                 |
| Transmission rate                                                                                                                                                                                           |                                                                                                                                                                                                 |
| Transfer rate / 1                                                                                                                                                                                           | 10 Mbit/s                                                                                                                                                                                       |
| Transfer rate / 2                                                                                                                                                                                           | 100 Mbit/s                                                                                                                                                                                      |
| Interfaces                                                                                                                                                                                                  |                                                                                                                                                                                                 |
| Number of electrical/optical connections / for network components or terminal equipment / maximum                                                                                                           | 4                                                                                                                                                                                               |
| Design of the electrical connection                                                                                                                                                                         |                                                                                                                                                                                                 |
| Supply voltage, current consumption, power loss                                                                                                                                                             |                                                                                                                                                                                                 |
| Product component / fusing at power supply input                                                                                                                                                            | Yes                                                                                                                                                                                             |
| Type of fusing / at input for supply voltage                                                                                                                                                                | 0,5 A / 60 V                                                                                                                                                                                    |
| Consumed current / maximum                                                                                                                                                                                  | 0.07 A                                                                                                                                                                                          |
| Permitted ambient conditions                                                                                                                                                                                |                                                                                                                                                                                                 |
| Ambient temperature                                                                                                                                                                                         |                                                                                                                                                                                                 |
| • during operating                                                                                                                                                                                          | 0 ... 60 °C                                                                                                                                                                                     |
| • during storage                                                                                                                                                                                            | -40 ... +70 °C                                                                                                                                                                                  |
| • during transport                                                                                                                                                                                          | -40 ... +70 °C                                                                                                                                                                                  |
| Relative humidity                                                                                                                                                                                           |                                                                                                                                                                                                 |
| • with condensation / maximum                                                                                                                                                                               | 100 %                                                                                                                                                                                           |
| • note                                                                                                                                                                                                      | r.F., incl. condensation/frost permitted (no commissioning in bedewed state)                                                                                                                    |
| Resistance to biologically active substances / conformity in accordance with EN 60721-3-3                                                                                                                   | Yes                                                                                                                                                                                             |
| • note                                                                                                                                                                                                      | Compliant with EN 60721-3-3, Class 3B2 mold and fungal spores (except fauna); the supplied plug covers must remain in place on the unused interfaces during operation.                          |
| Resistance to chemically active substances / conformity in accordance with EN 60721-3-3                                                                                                                     | Yes                                                                                                                                                                                             |
| • note                                                                                                                                                                                                      | Compliant with EN 60721-3-3, Class 3C4 incl. salt spray in accordance with EN 60068-2-52 (severity 3); the supplied plug covers must remain in place on the unused interfaces during operation. |
| Resistance to mechanically active substances / conformity in accordance with EN 60721-3-3                                                                                                                   | Yes                                                                                                                                                                                             |

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| • note                                                     | Compliant with EN 60721-3-3, Class 3S4 incl. sand, dust; the supplied plug covers must remain in place on the unused interfaces during operation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protection class IP                                        | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Product properties, functions, components / general</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product function / switch-managed                          | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Standard                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| • for EMC / from 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Verification of suitability                                | EN 61000-6-2, EN 61000-6-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| • CE mark                                                  | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| • KC approval                                              | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Further Information / Internet Links</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Internet-Link                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| • to website: Industry Mall                                | <a href="http://www.siemens.com/industrial-controls/mall">http://www.siemens.com/industrial-controls/mall</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| • to website: Selector SIMATIC NET SELECTION TOOL          | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| • to website: Industrial communication                     | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| • to website: Information and Download Center              | <a href="http://www.siemens.com/automation/net/catalog">http://www.siemens.com/automation/net/catalog</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| • to website: Image database                               | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| • to website: CAx Download Manager                         | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| • to website: Industry Online Support                      | <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Security information</b>                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Security information                                       | <p>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.</p> <p>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 <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a>.</p> <p>To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a>. (V3.4)</p> |
| letzte Änderung:                                           | Aug 9, 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |