



Compact Switch Module CSM 377 Connection SIMATIC S7-300 and up to 3 further nodes to Industrial Ethernet with 10/100 Mbit/s unmanaged switch, 4 RJ45 ports, External 24 V DC power supply LED diagnostics, S7-300 module, incl. electron. Equipment Manual on CD-ROM.

|   |                              |
|---|------------------------------|
| <b>product type designation</b>   | <b>SCALANCE CSM 377</b>      |
| <b>transfer rate</b>  |                              |
| transfer rate   | 10 Mbit/s, 100 Mbit/s        |
| <b>interfaces / for communication / maximum configuration for modular devices</b> |                              |
| number of electrical ports / maximum  | 4                            |
| <b>interfaces / for communication / integrated</b>                                |                              |
| number of electrical connections  | 4                            |
| • for network components or terminal equipment                                    | 4                            |
| number of 100 Mbit/s SC ports   | 0                            |
| • for multimode   | 0                            |
| number of 1000 Mbit/s LC ports  | 0                            |
| • for multimode   | 0                            |
| • for single mode (LD)  | 0                            |
| <b>interfaces / other</b>   |                              |
| number of electrical connections  | 1                            |
| • for power supply  | 1                            |
| type of electrical connection   | 2-pole terminal block        |
| • for power supply  | 2-pole terminal block        |
| <b>supply voltage, current consumption, power loss</b>                            |                              |
| <b>type of voltage / 1 / of the supply voltage</b>                                | DC                           |
| • supply voltage / 1 / rated value  | 24 V                         |
| • power loss [W] / 1 / rated value  | 1.6 W                        |
| • supply voltage / 1 / rated value  | 19.2 ... 28.8 V              |
| • consumed current / 1 / maximum  | 0.07 A                       |
| • type of electrical connection / 1 / for power supply                            | 2-pole terminal block        |
| • product component / 1 / fusing at power supply input                            | Yes                          |
| • fuse protection type / 1 / at input for supply voltage                          | 0.5 A / 60 V                 |
| <b>ambient conditions</b>   |                              |
| ambient temperature   | 0 ... 60 °C                  |
| • during operation  | 0 ... 60 °C                  |
| • during storage  | -40 ... +70 °C               |
| • during transport  | -40 ... +70 °C               |
| relative humidity   | 95 %                         |
| • at 25 °C / without condensation / during operation / maximum                    | 95 %                         |
| protection class IP   | IP20                         |
| <b>design, dimensions and weights</b>   |                              |
| design  | SIMATIC S7-300 device design |
| width   | 40 mm                        |
| height  | 125 mm                       |

|  |   |
|--|---|
| depth  | 118 mm  |
| net weight   | 0.2 kg  |
| fastening method   |   |
| • 35 mm top hat DIN rail mounting                                    | No  |
| • wall mounting  | No  |
| • S7-300 rail mounting   | Yes   |
| • S7-1500 rail mounting  | No  |
| <b>product functions / management, configuration, engineering</b>    |   |
| product function   |   |
| • multiport mirroring  | No  |
| product function / switch-managed                                    | No  |
| <b>product functions / redundancy</b>                                |   |
| product function   |   |
| • Parallel Redundancy Protocol (PRP)/operation in the PRP-network    | Yes   |
| • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)  | No  |
| <b>standards, specifications, approvals</b>                          |   |
| standard   |   |
| • for FM   | FM3611: Class 1, Division 2, Group A, B, C, D / T..., CL.1, Zone 2, GP. IIC, T.. Ta                 |
| • for safety / from CSA and UL                                       | UL 508, CSA C22.2 No. 142   |
| • for emitted interference   | EN 61000-6-4:2001   |
| • for interference immunity  | EN 61000-6-2:2001   |
| MTBF   | 144 a   |
| reference code   |   |
| • according to IEC 81346-2   | KF  |
| • according to IEC 81346-2:2019                                      | KFE   |
| <b>standards, specifications, approvals / CE</b>                     |   |
| certificate of suitability / CE marking                              | Yes   |
| <b>standards, specifications, approvals / hazardous environments</b> |   |
| standard / for hazardous zone  | EN 60079-15, II 3 G Ex nA II T..., KEMA 06 ATEX 0021 X  |
| • from CSA and UL  | UL 1604 and UL 2279-15 (Hazardous Location)   |
| certificate of suitability   |   |
| • CCC / for hazardous zone according to GB standard                  | Yes; GB3836.1, GB3836.8   |
| • CCC / for hazardous zone according to GB standard / as marking     | Ex nA IIC T4 Gc   |
| <b>standards, specifications, approvals / other</b>                  |   |
| certificate of suitability   | EN 61000-6-2:2001, EN 61000-6-4:2001  |
| • C-Tick   | Yes   |
| • KC approval  | No  |
| <b>standards, specifications, approvals / marine classification</b>  |   |
| Marine classification association                                    |   |
| • American Bureau of Shipping Europe Ltd. (ABS)                      | Yes   |
| • French marine classification society (BV)                          | Yes   |
| • Det Norske Veritas (DNV)   | Yes   |
| • Germanische Lloyd (GL)   | No  |
| • Lloyds Register of Shipping (LRS)                                  | Yes   |
| • Nippon Kaiji Kyokai (NK)   | Yes   |
| • Polski Rejestr Statkow (PRS)                                       | No  |
| • Royal Institution of Naval Architects (RINA)                       | No  |
| <b>further information / internet links</b>                          |   |
| internet link  |   |
| • to web page: selection aid TIA Selection Tool                      | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>   |
| • to website: Industrial communication                               | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>                 |
| • to website: Industry Mall  | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                   |
| • to website: Information and Download Center                        | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> |
| • to website: Selection guide for cables and connectors              | <a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</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="https://support.industry.siemens.com">https://support.industry.siemens.com</a>             |

security information

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Approvals / Certificates

General Product Approval

EMC

[Manufacturer Declaration](#)



For use in hazardous locations

Marine / Shipping



[CCC-Ex](#)



Marine / Shipping

Environment



[NK / Nippon Kaiji Kyokai](#)



[Confirmation](#)

[Environmental Confirmations](#)

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