

Compact Switch Module CSM 1277 for connecting SIMATIC S7-1200 and up to 3 further nodes to Industrial Ethernet with 10/100 Mbit/s; unmanaged switch, 4 RJ45 ports, ext. 24 V DC power supply LED diagnostics, S7-1200 module incl. electronic Equipment Manual on CD-ROM



Product type designation	SCALANCE CSM 1277
Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections	
• for network components or terminal equipment	4
Number of 100 Mbit/s SC ports	
• for multimode	0
Number of 1000 Mbit/s LC ports	
• for multimode	0
• for single mode (LD)	0
Interfaces / others	
Number of electrical connections	
• for power supply	1
Type of electrical connection	
• for power supply	3-pole terminal block
Supply voltage, current consumption, power loss	

Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external / minimum	19.2 V
• external / maximum	28.8 V
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
Power loss [W]	
• at DC / at 24 V	1.6 W

Permitted ambient conditions

Ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight

Design	SIMATIC S7-1200 device design
Width	45 mm
(height)	100 mm
Depth	75 mm
(net weight)	0.15 kg
• Mounting type / 35 mm DIN rail mounting	Yes
• Mounting type / wall mounting	Yes
• Mounting type / S7-300 rail mounting	No
• Mounting type / S7-1500 rail mounting	No

Product functions / management, configuration

Product function	
• multiport mirroring	No
Product function / switch-managed	No

Product functions / Redundancy

Product function	
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No

Standards, specifications, approvals

Standard	
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- for FM
- for hazardous zone
- for safety / from CSA and UL
- for emitted interference
- for interference immunity

FM3611: Class 1, Divison 2, Group A, B, C, D / T., CL.1, Zone 2, GP. IIC, T.. Ta
 EN 600079-15:2005, EN 600079-0:2006, II 3 G Ex nA II T4, KEMA 08 ATEX 0003 X
 UL 508, CSA C22.2 No. 142
 EN 61000-6-4 (Class A)
 EN 61000-6-2

Standards, specifications, approvals / CE

Certificate of suitability / CE marking	Yes
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Standards, specifications, approvals / miscellaneous

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|--|----------------------------|
| • (certificate of suitability) | EN 61000-6-2, EN 61000-6-4 |
| • Certificate of suitability / C-Tick | Yes |
| • Certificate of suitability / KC approval | No |

Standards, specifications, approvals / ship classification

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|---|-----|
| Marine classification association | |
| • American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| • Bureau Veritas (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 |

Standards, specifications, approvals / product conformity

MTBF	273 y
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Further Information / Internet Links

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|---|---|
| Internet-Link | |
| • to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| • to website: Image database | http://automation.siemens.com/bilddb |
| • to website: CAx Download Manager | http://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |

Security information

Security information

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