



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
transfer 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 / other		
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 / 1 / of the supply voltage		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		3-pole terminal block
• product component / 1 / fusing at power supply input		Yes
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 weights		
design		SIMATIC S7-1200 device design
width		45 mm
height		100 mm
depth		75 mm
net weight		0.15 kg

fastening method	
• 35 mm top hat DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	No
• 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 (Class A)
• for interference immunity	EN 61000-6-2
MTBF	273 y
reference code	
• acc. 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 600079-15:2005, EN 600079-0:2006, II 3 G Ex nA II T4, KEMA 08 ATEX 0003 X
certificate of suitability	
• CCC / for hazardous zone according to GB standard	Yes
<b>standards, specifications, approvals / other</b>	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
• 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: 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>
<b>security information</b>	
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

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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)

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