



CSM 1277 G2 compact switch module for SIMATIC S7-1200 G2 and up to 3 further nodes to Industrial Ethernet with 10/100 Mbps; unmanaged switch, 4 RJ45 ports, external 24 V DC power supply LED diagnostics, S7-1200 module incl. Equipment Manual for download available

product type designation	
product brand name	SCALANCE
product type designation	CSM 1277 G2
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	4; RJ45
interfaces / other	
number of electrical connections	
• for power supply	1
type of electrical connection	
• for power supply	6-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 W
• supply voltage / 1 / rated value	19.2 ... 28.8 V
• consumed current / 1 / maximum	0.34 A
• type of electrical connection / 1 / for power supply	6-pole terminal block
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	F 0.5 A / 60 V
ambient conditions	
ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
ambient temperature / in horizontal mounting position / during operation	-20 ... +60 °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	30 mm
height	125 mm
depth	100 mm
net weight	0.166 kg
fastening method	

• 35 mm DIN-rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting	Yes Yes No No
product features, product functions, product components / general	
number of automatically learnable MAC addresses	2048
number of QoS queues / per port	4
product function • QoS according to IEEE 802.1Q	Yes
product functions / management, configuration, engineering	
product function • multiport mirroring • CoS • switch-managed	No Yes No
PROFINET conformity class	A
telegram length / for Ethernet / maximum	1536 byte
product functions / redundancy	
product function • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	Yes No
standards, specifications, approvals	
certificate of suitability • CE marking • UKCA marking • EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1 • cULus approval • KC approval • Regulatory Compliance Mark (RCM)	Yes Yes Yes Yes Yes Yes
standard • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL	EN 61000-6-4 (Class A) EN 61000-6-2 UL 61010-1, CAN/CSA-C222 No. 61010-1, UL 61010-2-201, CAN/CSA-C22.2 No. 61010-2-201
standards, specifications, approvals / other	
certificate of suitability • RoHS conformity	Yes
product functions / general	
MTBF	268 a
reference temperature / for MTBF determination	40 °C
reference code • according to IEC 81346-2 • according to IEC 81346-2:2019	KF KFE
Warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
further information / internet links	
internet link • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible

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Approvals / Certificates		
General Product Approval	Radio Equipment Type Approval Certificate	Industrial Communication



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