6GK7277-1AA10-0AA0

Data sheet



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
product functions / management, configuration, engineering	
product function	
 multiport mirroring 	No
product function / switch-managed	No
product functions / redundancy	
product function	
Parallel Redundancy Protocol (PRP)/operation in	Yes
the PRP-network	
 Parallel Redundancy Protocol (PRP)/Redundant 	No
Network Access (RNA)	
standards, specifications, approvals	
standard	
• for FM	FM3611: Class 1, Divison 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
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environn	
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
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
KC approval	No
standards, specifications, approvals / marine classification	
Marine classification association	
	Yes
American Bureau of Shipping Europe Ltd. (ABS)French marine classification society (BV)	Yes
	Yes
Det Norske Veritas (DNV)Germanische Lloyd (GL)	No
Lloyds Register of Shipping (LRS)	Yes
	Yes
Nippon Kaiji Kyokai (NK) Polski Pajastr Statkow (PRS)	res No
Polski Rejestr Statkow (PRS) Poval Institution of Naval Architects (PINA)	No
Royal Institution of Naval Architects (RINA) further information / internet-Links	110
Internet-Link	http://www.ciomono.com/tic.coloction.tool
to web page: selection aid TIA Selection Tool to website: Industrial communication	http://www.siemens.com/tia-selection-tool
to website: Industrial communication to website: Industry Mell	http://www.siemens.com/simatic-net
to website: Industry Mall to website: Information and Download Center	https://mall.industry.siemens.com
to website: Information and Download Center to website: Image detabage	http://www.siemens.com/industry/infocenter
to website: Image database to website: GAx Payeland Manager	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	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. 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.

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