



-- spare part -- Compact Switch Module CSM 377 connection of SIMATIC S7-300 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, S7-300 module, including electronic equipment manual on CD-ROM.

product type designation	
product brand name	SCALANCE
product type designation	CSM 377
transfer rate	
transfer rate	10, 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
interfaces / other	
number of electrical connections	
• for power supply	1
type of electrical connection	
• for power supply	2-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
• 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
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 S7-300 device design
width	40 mm
height	125 mm
depth	118 mm
net weight	0.2 kg
fastening method	

• 35 mm DIN-rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting	No No Yes No
product functions / management, configuration, engineering	
product function	
• multiport mirroring • switch-managed	No No
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 • cULus approval • KC approval • Regulatory Compliance Mark (RCM)	Yes Yes Yes No Yes
standard	
• for EMC interference emission • for immunity to EMC • for safety / from CSA and UL	EN 61000-6-4:2001 EN 61000-6-2:2001 UL 508, CSA C22.2 No. 142
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX • UKEX • IECEx • ULhazloc approval • CCC / for hazardous zone according to GB standard • FM registration	Yes Yes Yes Yes Yes Yes
standards, specifications, approvals / other	
certificate of suitability	
• RoHS conformity	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total • during manufacturing • during operation • after end of life	65.14 kg 7.42 kg 57.58 kg 0.14 kg
product functions / general	
MTBF	144 a
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 for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <https://www.siemens.com/cert>. (V4.7)

Approvals / Certificates

Environmental Product Declaration

• global warming potential [CO2 eq] / during manufacturing	7.42 kg
• global warming potential [CO2 eq] / during operation	57.58 kg
• global warming potential [CO2 eq] / after end of life	0.14 kg
• global warming potential [CO2 eq] / total	65.14 kg

Environment

General Product Approval



EG-Konf.



[Declaration of Conformity](#)



CCC

General Product Approval



[China RoHS](#)

[Manufacturer Declaration](#)



UL



RCM



EG-Konf.

General Product Approval

For use in hazardous locations



[China RoHS](#)



ATEX



IECEx



KEMA

[CCC-Ex](#)

Maritime application



ABS



BUREAU
VERITAS



DNV



LRS

[NK / Nippon Kaiji Kyokai](#)



RINA

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