

Product type designation

CSM 1277

COMPACT SWITCH MODULE CSM 1277 CONNECTION SIMATIC S7-1200 AND UP TO 3 FURTHER IND. ETHERNET USERS WITH 10/100 MBIT/S UNMANAGED SWITCH, 4 RJ45 PORTS, EXT. 24V DC POWER SUPPLY, LED DIAGNOSTICS, S7-1200 MODULE INCL. ELECTRONIC MANUAL ON CD



Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
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Interfaces / for communication / integrated

Number of electrical connections	4
<ul style="list-style-type: none"> for network components or terminal equipment 	
Number of 100 Mbit/s SC ports	0
<ul style="list-style-type: none"> for multimode 	
Number of 1000 Mbit/s LC ports	0
<ul style="list-style-type: none"> for multimode 	
<ul style="list-style-type: none"> for single mode (LD) 	

Interfaces / others

Number of electrical connections	1
<ul style="list-style-type: none"> for power supply 	
Type of electrical connection	3-pole terminal block
<ul style="list-style-type: none"> for power supply 	

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
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Supply voltage	
<ul style="list-style-type: none"> external 	24 V
<ul style="list-style-type: none"> external 	19.2 ... 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]	
<ul style="list-style-type: none"> at DC / at 24 V 	1.6 W

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during operation 	0 ... 60 °C
<ul style="list-style-type: none"> during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> during transport 	-40 ... +70 °C
Relative humidity	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> wall mounting 	Yes
<ul style="list-style-type: none"> S7-300 rail mounting 	No
<ul style="list-style-type: none"> S7-1500 rail mounting 	No

Product functions / management, configuration

Product function	
<ul style="list-style-type: none"> multiport mirroring 	No
<ul style="list-style-type: none"> switch-managed 	No

Product functions / Redundancy

Product function	
<ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
<ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No

Standards, specifications, approvals

Standard	
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<ul style="list-style-type: none"> • for FM • for hazardous zone • for safety / from CSA and UL • for emitted interference • for interference immunity 	<p>FM3611: Class 1, Divison 2, Group A, B, C, D / T.., CL.1, Zone 2, GP. IIC, T.. Ta</p> <p>EN 600079-15:2005, EN 600079-0:2006, II 3 G Ex nA II T4, KEMA 08 ATEX 0003 X</p> <p>UL 508, CSA C22.2 No. 142</p> <p>EN 61000-6-4 (Class A)</p> <p>EN 61000-6-2</p>
Certificate of suitability / CE marking	Yes
<ul style="list-style-type: none"> • Certificate of suitability • Certificate of suitability / C-Tick • Certificate of suitability / KC approval 	<p>EN 61000-6-2, EN 61000-6-4</p> <p>Yes</p> <p>No</p>
<ul style="list-style-type: none"> • Marine classification association / American Bureau of Shipping Europe Ltd. (ABS) • Marine classification association / Bureau Veritas (BV) • Marine classification association / Det Norske Veritas (DNV) • Marine classification association / Germanische Lloyd (GL) • Marine classification association / Lloyds Register of Shipping (LRS) • Marine classification association / Nippon Kaiji Kyokai (NK) • Marine classification association / Polski Rejestr Statkow (PRS) • Marine classification association / Royal Institution of Naval Architects (RINA) 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p>
MTBF / at 40 °C	273 y

Further Information / Internet Links	
Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support 	<p>http://www.siemens.com/snst</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>

Security information

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