

### Product type designation

### SCALANCE S623

SCALANCE S 623 MODULE FOR PROTECTION OF UNITS AND NETWORKS IN AUTOMATION TECHNOLOGY AND FOR PROTECTION OF INDUSTRIAL COMMUNICATION VIA VPN AND FIREWALL; ADDITIONAL DMZ-PORT FOR CONNECTING AN ADDITIONAL NETWORK ADDITIONAL FUNCTIONS: ADDRESS CONVERSION



### Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
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### Interfaces

Number of electrical/optical connections / for network components or terminal equipment / maximum	3
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#### Number of electrical connections

- |                                |   |
|--------------------------------|---|
| • for internal network         | 1 |
| • for external network         | 1 |
| • for DMZ                      | 1 |
| • for signaling contact        | 1 |
| • for power supply             | 1 |
| • for redundant voltage supply | 1 |

#### Type of electrical connection

- |                         |                       |
|-------------------------|-----------------------|
| • for internal network  | RJ45 port             |
| • for external network  | RJ45 port             |
| • for DMZ               | RJ45 port             |
| • for signaling contact | 2-pole terminal block |

<ul style="list-style-type: none"> <li>• for power supply</li> </ul>	4-pole terminal block
design of the removable storage / C-PLUG	Yes
<b>Signal-Inputs/outputs</b>	
Operating voltage / of the signaling contacts / at DC / Rated value	24 V
Operating current / of the signaling contacts / at DC / maximum	0.1 A
<b>Supply voltage, current consumption, power loss</b>	
Supply voltage / external	24 V
Supply voltage / external	19.2 ... 28.8 V
Type of voltage / of the supply voltage	DC
Consumed current / maximum	0.6 A
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	Non-replaceable melting fuse (F 3 A / 32 V)
Power loss [W]	
<ul style="list-style-type: none"> <li>• at DC / at 24 V / typical</li> </ul>	6.96 W
<b>Permitted ambient conditions</b>	
Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-40 ... +60 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +80 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-40 ... +80 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20
<b>Design, dimensions and weight</b>	
Design	compact
Width	60 mm
Height	125 mm
Depth	124 mm
Net weight	0.81 kg
Mounting type	Screw mounting on horizontal and vertical surfaces
Mounting type	
<ul style="list-style-type: none"> <li>• 35 mm DIN rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• S7-300 rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	Yes
<b>Product properties, functions, components / general</b>	
Product function / DynDNS client	Yes
Protocol / is supported / PPPoE	Yes
<b>Product functions / management, configuration</b>	
Product function	
<ul style="list-style-type: none"> <li>• symbolic names for IP addresses</li> </ul>	Yes

Protocol / is supported	Yes
<ul style="list-style-type: none"> <li>• SNMP v1</li> <li>• SNMP v3</li> </ul>	Yes
Type of configuration	SCT: Security Configuration Tool (included in scope of delivery)

### Product functions / Diagnosis

Product function	Yes
<ul style="list-style-type: none"> <li>• SysLog</li> <li>• Packet Filter Log</li> <li>• Audit Log</li> <li>• System log</li> </ul>	Yes

### Product functions / DHCP

Product function	Yes
<ul style="list-style-type: none"> <li>• DHCP server - internal network</li> </ul>	Yes

### Product functions / Routing

Product function / Static IP routing	Yes
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### Product functions / Security

Firewall version	stateful inspection
Type of encryption algorithms / with VPN connection	AES-256, AES-192, AES-128, 3DES-168, DES-56
Type of authentication procedure / with VPN connection	Preshared key (PSK), X.509v3 certificates
Type of hashing algorithms / with VPN connection	MD5, SHA-1
Number of possible connections / with VPN connection	128
Number of network nodes / for internal network / with VPN connection	128
<ul style="list-style-type: none"> <li>• maximum</li> <li>• Note</li> </ul>	Limitation only applies in bridge mode. No limitation in routing mode
Product function	Yes
<ul style="list-style-type: none"> <li>• Password protection</li> <li>• Bandwidth limiting</li> <li>• NAT/NAPT</li> </ul>	Yes

### Product functions / Redundancy

Product function	Yes
<ul style="list-style-type: none"> <li>• Standby redundancy</li> </ul>	Yes

### Product functions / Time

Product function / pass on time synchronization	Yes
Protocol / is supported / NTP	Yes
Product component / Hardware real-time clock	Yes
Product feature / Hardware real-time clock w. battery backup	Yes

## Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"><li>• for FM</li><li>• for hazardous zone</li><li>• for safety / from CSA and UL</li><li>• for emitted interference</li><li>• for interference immunity</li></ul>	FM 3611 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA IIT..., KEMA 07 ATEX 0145 X UL 60950 / CSA C22.2 No. 60950-00, UL 508 / CSA C22.2 No. 142 EN 61000-6-4 : 2007 EN 61000-6-2 : 2005
Certificate of suitability	AS/NZS 2064 (Class A), EN 61000-6-2, EN 61000-6-4, marine classification pending
Certificate of suitability	
<ul style="list-style-type: none"><li>• CE marking</li><li>• C-Tick</li></ul>	Yes Yes
Marine classification association	
<ul style="list-style-type: none"><li>• American Bureau of Shipping Europe Ltd. (ABS)</li><li>• Bureau Veritas (BV)</li><li>• Det Norske Veritas (DNV)</li><li>• Germanische Lloyd (GL)</li><li>• Lloyds Register of Shipping (LRS)</li><li>• Nippon Kaiji Kyokai (NK)</li><li>• Polski Rejestr Statkow (PRS)</li></ul>	No No No No No No No

## Accessories

Product extension / optional / C-PLUG	Yes
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## Further Information / Internet Links

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

## Security information

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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>. (V3.4)

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