

Product type designation

SCALANCE S615

SCALANCE S615 LAN-ROUTER; F. PROTECTION OF DEVICES/
NETWORKS IN AUTOMATION AND PROTECTION OF
INDUSTRIAL COMMUNICATION VIA VPN AND FIREWALL;
FURTHER FUNCTIONS: ADDRESS CONVERSION (NAT/NAPT),
CONNECTION TO SINEMA RC, 5-PORT SWITCH, 1XDIG. INPUT,
1XDIG. OUTPUT



Transmission rate

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

Number of electrical/optical connections / for network components or terminal equipment / maximum	5
Number of electrical connections	
• for power supply	1
• for redundant voltage supply	1
Type of electrical connection	
• for internal network	RJ45 port
• for external network	RJ45 port
• for power supply	5-pole terminal block
design of the removable storage / C-PLUG	Yes

Signal-Inputs/outputs

Number of electrical connections	
• for digital input signals	1
• for digital output signals	1

Type of electrical connection	
• for digital input signals	2-pole terminal block
• for digital output signals	2-pole terminal block
Supply voltage, current consumption, power loss	
Supply voltage / external	24 V
Supply voltage / external	10.8 ... 28.2 V
Type of voltage / of the supply voltage	DC
Consumed current / maximum	0.2 A
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	Non-replaceable melting fuse (F 2 A5 / 32 V)
Power loss [W]	
• at DC / at 24 V / typical	4 W
Permitted ambient conditions	
Ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Design	compact
Width	35 mm
Height	147 mm
Depth	127 mm
Net weight	0.4 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes
Product functions / management, configuration	
Product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
Protocol / is supported	
• HTTP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes

Type of configuration	Web Based Management, CLI, SNMP, SCT (Configuration support for certificate generation)
Product functions / Diagnosis	
Product function	
• SysLog	Yes
• Packet Filter Log	Yes
• Audit Log	Yes
• System log	Yes
Product functions / DHCP	
Product function	
• DHCP client	Yes
• DHCP server - internal network	Yes
Product functions / Routing	
Product function / Static IP routing	Yes
Product functions / Security	
Firewall version	stateful inspection
Product function / with VPN connection	IPSec, OpenVPN (as Client for SINEMA RC)
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	20
Product function	
• Password protection	Yes
• Bandwidth limiting	No
• NAT/NAPT	Yes
Product functions / Time	
Protocol / is supported / NTP	Yes
Product component / Hardware real-time clock	Yes
Product feature / Hardware real-time clock w. battery backup	No
Standards, specifications, approvals	
Standard	
• for FM	FM-CoC 3021712
• for hazardous zone	EN 60079-15, EN 60079-0, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X
• for safety / from CSA and UL	UL E115352 (NWGQ, NGWQ7)
• for emitted interference	EN 61000-6-4
• for interference immunity	EN 61000-6-2
Certificate of suitability	ATEX, EMV, RoHS, Marine classification in preparation

Certificate of suitability	
• CE marking	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Germanische Lloyd (GL)	No
• DNV GL	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	No
• Polski Rejestr Statkow (PRS)	Yes
• Royal Institution of Naval Architects (RINA)	No
MTBF / at 40 °C	55 y

Accessories	
Product extension / optional / C-PLUG	Yes
Product extension / optional / KEY-PLUG	Yes
accessories	optional KEY-PLUG

Further Information / Internet Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	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

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last modified:

10/15/2016