

product type designation



S615

SCALANCE S615 LAN router; for protection of devices/networks in automation technology and for protection of industrial communication by means of VPN and firewall; Further functions: address conversion (NAT/NAPT), connection to SINEMA RC, 5-port switch, 1x dig. input, 1x digital output

| transfer rate | |
|---|-----------------------|
| transfer rate | 10 Mbit/s, 100 Mbit/s |
| 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 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 / 1 / rated value | 24 V |
| power loss [W] / 1 / rated value | 4 W |
| supply voltage / 1 / rated value | 10.8 ... 28.8 V |
| consumed current / 1 / maximum | 0.2 A |
| product component / 1 / fusing at power supply input | Yes |
| 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 weights | |
| design | compact |
| width | 35 mm |
| height | 147 mm |
| depth | 127 mm |
| net weight | 0.4 kg |

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| fastening method | |
| • 35 mm top hat DIN rail mounting | Yes |
| • S7-300 rail mounting | Yes |
| • S7-1500 rail mounting | Yes |
| product functions / management, configuration, engineering | |
| 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 / diagnostics | |
| 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, SHA-256, SHA-384, SHA-512 |
| number of possible connections / with VPN connection | 20 |
| product function | |
| • password protection | Yes |
| • bandwidth limitation | 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 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, EMC, RoHS |
| • CE marking | Yes |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| • American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| • French marine classification society (BV) | Yes |
| • DNV GL | Yes |
| • Korean Register of Shipping (KRS) | Yes |
| • Lloyds Register of Shipping (LRS) | Yes |

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|---|---|
| <ul style="list-style-type: none"> • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) | <p>Yes</p> <p>Yes</p> <p>Yes</p> |
| standards, specifications, approvals / hazardous environments | |
| standard / for hazardous zone | EN 60079-15, EN 60079-0, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X |
| certificate of suitability / CCC / for hazardous zone according to GB standard | Yes |
| accessories | |
| product extension / optional / C-PLUG | Yes |
| product extension / optional / KEY-PLUG | Yes |
| accessories | optional KEY-PLUG |
| further information / internet-Links | |
| Internet-Link | |
| <ul style="list-style-type: none"> • 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/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 | |
| security information | <p>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)</p> |

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