

Data sheet

6GK5632-2GS00-2AC2

product type designation



SC632-2C

SCALANCE SC632-2C Industrial Security Appliance; For protection of devices and networks in discrete manufacturing and the process industry for protection of the industrial communication with firewall; Further functions: address conversion (NAT/NAPT); Connection to SINEMA RC; 2x combo port electrical or optical; 10/100/1000 Mbit/s RJ45 or 100 Mbit/s SFP or 1000 Mbit/s SFP.

transfer rate

| | |
|---------------|------------------------------------|
| transfer rate | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s |
|---------------|------------------------------------|

interfaces

| | |
|---|-----------------------|
| number of electrical/optical connections / for network components or terminal equipment / maximum | 2 |
| number of electrical connections | |
| • for signaling contact | 1 |
| • for power supply | 1 |
| • for redundant voltage supply | 1 |
| type of electrical connection | |
| • for signaling contact | 2-pole terminal block |
| • for power supply | 4-pole terminal block |
| design of the removable storage / C-PLUG | Yes |

signal inputs/outputs

| | |
|---|-----------------------|
| number of electrical connections | |
| • for digital input signals | 1 |
| type of electrical connection | |
| • for digital input signals | 2-pole terminal block |
| • for digital output signals | 2-pole terminal block |
| operating voltage / of the signaling contacts / at DC / rated value | 24 V |
| operational current / of the signaling contacts / at DC / maximum | 0.1 A |

supply voltage, current consumption, power loss

| | |
|---|------------------------------|
| type of voltage / 1 / of the supply voltage | DC |
| supply voltage / 1 / rated value | 24 V; (with plugged-in SFPs) |
| power loss [W] / 1 / rated value | 9.12 W |
| supply voltage / 1 / rated value | 9.6 ... 31.2 V |
| consumed current | |
| • 1 / maximum | 0.38 A |

ambient conditions

| | |
|--|----------------|
| ambient temperature | |
| • during operation | -40 ... +70 °C |
| • during storage | -40 ... +85 °C |
| • during transport | -40 ... +85 °C |
| relative humidity / at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP20 |

design, dimensions and weights

| | |
|--------|---------|
| design | compact |
| width | 60 mm |

| | |
|--|--|
| height | 145 mm |
| depth | 125 mm |
| net weight | 0.58 kg |
| fastening method | Fixing bolt with additional screw protection |
| fastening method | |
| • 35 mm DIN-rail mounting | Yes |
| • S7-300 rail mounting | Yes |
| • S7-1500 rail mounting | Yes |
| • wall mounting | Yes |
| product features, product functions, product components / general | |
| product function / DynDNS client | Yes |
| product functions / management, configuration, engineering | |
| product function | |
| • CLI | Yes |
| • web-based management | Yes |
| • MIB support | Yes |
| protocol / is supported | |
| • Telnet | No |
| • HTTP | No |
| • HTTPS | Yes |
| • TFTP | Yes |
| • FTP | Yes |
| • SFTP | Yes |
| • DCP | Yes |
| • LLDP | Yes |
| • SNMP v1 | Yes |
| • SNMP v2 | Yes |
| • SNMP v3 | Yes |
| product function | |
| • RMON | Yes |
| • port mirroring | Yes |
| • multiport mirroring | Yes |
| • CoS | Yes |
| type of configuration | WBM, CLI, SNMP |
| PROFINET conformity class | A |
| product functions / diagnostics | |
| product function | |
| • SysLog | Yes |
| • packet filter log | Yes |
| • audit log | Yes |
| • system log | Yes |
| • port diagnostics | Yes |
| • statistics Packet Size | Yes |
| • statistics packet type | Yes |
| • error statistics | Yes |
| product functions / DHCP | |
| product function | |
| • DHCP client | Yes |
| • DHCP server - internal network | Yes |
| • DHCP Option 66 | Yes |
| • DHCP Option 67 | Yes |
| product functions / routing | |
| product function / static IP routing | Yes |
| protocol / is supported / VRRP | Yes |
| product function / static IP routing IPv6 | Yes |
| protocol / is supported / OSPFv2 | Yes |
| product functions / security | |
| firewall version | stateful inspection |
| product function / with VPN connection | OpenVPN (as client for SINEMA RC) |
| product function | |

| | |
|---|---|
| • password protection | Yes |
| • bandwidth limitation | No |
| • NAT/NAPT | Yes |
| • IEEE 802.1x (radius) | Yes |
| • broadcast/multicast/unicast limiter | Yes |
| • broadcast blocking | Yes |
| protocol / is supported / SSH | Yes |
| product functions / redundancy | |
| product function | |
| • standby redundancy | Yes |
| product function | |
| • redundancy procedure STP | Yes |
| • redundancy procedure RSTP | Yes |
| • passive listening | Yes |
| product functions / time | |
| protocol / is supported | |
| • NTP | Yes |
| • SNTP | Yes |
| product feature / hardware real time clock w. battery backup | Yes |
| standards, specifications, approvals | |
| standard | |
| • for FM | FM19US0167X |
| • for safety / from CSA and UL | UL 60950 E115352 / CSA C22.2 no. 60950-1-03, CSA C22.2 no. 213-M1987 (available soon) |
| • for emitted interference | EN 61000-6-4: 2007 |
| • for interference immunity | EN 61000-6-2: 2005 |
| certificate of suitability | AS/NZS 2064 (Class A), EN 61000-6-2, EN 61000-6-4 |
| • CE marking | Yes |
| • C-Tick | Yes |
| • CCC | Yes |
| MTBF | 37.83 a |
| • standard | EN/IEC 61709 |
| • reference temperature | 40 °C |
| reference code | |
| • according to IEC 81346-2:2019 | KED |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| 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 |
| • Nippon Kaiji Kyokai (NK) | Yes |
| • Polski Rejestr Statków (PRS) | Yes |
| • Royal Institution of Naval Architects (RINA) | Yes |
| standards, specifications, approvals / hazardous environments | |
| standard / for hazardous zone | EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X |
| certificate of suitability / CCC / for hazardous zone according to GB standard | Yes; GB3836.1, GB3836.8 |
| certificate of suitability / CCC / for hazardous zone according to GB standard / as marking | Ex nA IIC T4 Gc |
| standards, specifications, approvals / Environmental Product Declaration | |
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| • total | 360.23 kg |
| • during manufacturing | 31.33 kg |
| • during operation | 328.43 kg |
| • after end of life | 0.47 kg |

accessories

product extension / optional

- C-PLUG

Yes

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

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Approvals / Certificates

General Product Approval



[Declaration of Conformity](#)



General Product Approval

EMV

For use in hazardous locations



[KC](#)



[FM](#)

[CCC-Ex](#)

Marine / Shipping



[NK / Nippon Kaiji Kyokai](#)



Dangerous goods

Environment

[Dangerous goods information](#)

[Confirmation](#)



last modified: 2/4/2025