SIEMENS

Data sheet

6GK5636-2GS00-2AC2

product type designation



SC636-2C

SCALANCE SC636-2C 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; 4x ports electrical 10/100/1000 Mbit/s RJ45 and 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	6	
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	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	9.6 W	
supply voltage / 1 / rated value	9.6 31.2 V	
consumed current		
• 1 / maximum	0.4 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
Include		
fastering method Fixing bolt with additional sorew protection 4 35 mm too hat DIN rail mounting Yes 4 37-300 rail mounting Yes • Wall mounting Yes • CLI Yes • CLI Yes • CLI Yes • CLI Yes • Mill support Yes • Mill support Yes • Tablet No • HITTP No • HITTP Yes • TEFP Yes • STFP Yes • LLDP Yes • SIMP Y2 Yes • Packet function Yes • Packet function Yes		
fisatering method		
a. S. 37.30 rail mounting Yes b. S.7.1500 rail mounting Yes b. Wall mounting Yes product function in product functions, product components / generally Product function product function Yes c. C.L.I. Web-based management. e. Mill support Yes profocol / is supported *** 1 Talest No 4 HTTP No 4 HTTP Yes 1 FTP Yes 5 FTP Yes 5 STP Yes 5 STP Yes 5 SMNP y3 Yes 5 SMNP y3 Yes product function Yes 8 SMNP y3 Yes product function Yes Pype of configuration Web. Pype of configuration Web. Pype of configuration Web. Pype of configuration Web. Pype of configuration Yes Pype of configuration Web. Pype of configuration Yes		Fixing bolt with additional sciew protection
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	-	
	-	
product function / DynDNS client Yes		
product function / DynONS client Yes		
Product function Cult Yes	· · · · · · · · · · · · · · · · · · ·	103
• CLI • veb-based management • Milb support • Milb support • Milb support • Milb support • Telest • Milb support • Telest • Tel		
• web-based management Yes Mill Support Yes protocol / is supported *** • Telnet No • HTTP No • HTTP No • HTTP Yes • FTP Yes • SFTP Yes • DCQ Yes • LLDP Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes • SNMP v3 Yes • PROFUNCT on Continual		Yes
• MIB support • Telnet • Telnet • Telnet • Telnet • HTTP • HTTPS • FIFP • FIFP • FIFP • SSTP • DCP • LLDP • SNMP v1 • SNMP v2 • SNMP v3 •		
Protect	-	
Felnet HOTTP No		
• HTTP No • HTTPS Yes • TFTP Yes • FTP Yes • SFTP Yes • DCP Yes • LLDP Yes • SNMP v1 Yes • SNMP v3 Yes product function Yes • RNON Yes • port mirroring Yes • MURD mirroring Yes • COS Yes • Los of configuration WBM, CLI, SNMP • PROFINET conformity class A • PROFINET conformity class A • SysLog Yes • system ing Yes • system log Yes • system log Yes • statistics packet type Yes • othCP option 66 Yes • DHCP Option 67 Yes • DHCP Option 67 Yes • DHCP Op		No
HTTPS		
• FFTP		
• FTP • SFTP • SFTP • DCP • LLDP • SMMP V1 • SMMP V2 • SMMP V3 • SMMP V3 • product function • RMCN • port mirroring • COS • LUSP • Mall port mirroring • COS • Yes • System tog • audit log • packet filler log • audit log • port diagnostics • system log • port diagnostics • System log • port diagnostics • System log • port diagnostics • Pres • statistics packet type • altistics packet type • error statistics • Product function (DHCP) product function (PHCP) product function (PTCP) p		
• SFTP		
• DCP • LLDP • LLDP • SMMP v1 • SMMP v2 • SMMP v3 • SMMP v3 • RMON • RMON • port mirroring • CoS • Yes • Uper Configuration • RNET Conformity class • CoS • Yes • Yes • SysLog • product functions • SysLog • packet filler log • packet filler log • system log • port callingonatics • resistance shades be seen to yes • statistics Packet Size • statistics Packet type • error satistics • Product functions / DHCP product functions / DHCP product functions / DHCP product functions / DHCP product functions / Yes • DHCP Option 66 • DHCP Option 66 • DHCP Option 67 • Product functions / routing product functions / routing product functions / routing product functions / Testic IP routing Yes product functions / Testic IP routing Yes product function / static IP routing Yes product functions / static IP routing Yes product funct		
■ LLDP ■ SNMP v1 ■ SNMP v2 ■ SNMP v2 ■ SNMP v3 ■ Yes ■ Was ■ PODUCT function ■ PROFINET conformity class ■ A ■ PROFINET conformity class ■ Yes ■ Jeacket filter log ■ Syst.og ■ packet filter log ■ audit log ■ audit log ■ yes ■ audit log ■ yes ■ system log ■ yes ■ system log ■ port diagnostics ■ Yes ■ statistics Packet Size ■ statistics Packet Size ■ statistics Packet Size ■ statistics Packet Size ■ error statistics ■ Yes ■ error statistics ■ Yes ■ PROFINET Conformity Class ■ PROFINET Conformity Class ■ System log ■ port diagnostics ■ statistics Packet Size ■ bystem log ■ port diagnostics ■ statistics Packet Size ■ Yes ■ statistics Packet Size ■ Yes ■ PROFINET Conformity ■ PROFINET CONFORMITY ■ Yes ■ Yes ■ Yes ■ Yes ■ Yes ■ Y		
• SNMP v1 • SNMP v2 • SNMP v3 • SNMP v4 • SNMP v6 • SNMP v7 • SNMP v6 • SNM		
• 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 • packet filter log Yes • port diagnostics Yes • port diagnostics Yes • statistics Packet Size Yes • statistics packet type Yes • add to g Yes • statistics packet type Yes • broduct functions / DHCP Yes • DHCP client Yes • DHCP server - internal network Yes • DHCP Option 66 Yes • DHCP Option 67 Yes • DHCP Option 67 Yes • DHCP Option 67 Yes <		
SNMP v3		
Product function RMON port mirroring multiport mirroring Pes COS Yes Yes Yes Yes Yes Yes Yes Ye		
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• multiport mirroring • CoS type of configuration PROFINET conformity class product functions / diagnostics product function • Syst.og • packet filter log • audit log • system log • port diagnostics product sunction • Syst.os • product sunction • Syst.os • product functions / diagnostics • system log • port diagnostics • port diagnostics • port diagnostics • port diagnostics • statistics Packet Size • statistics packet type • error statistics • res • product functions / DHCP product function • DHCP client • DHCP server - internal network • DHCP Option 66 • DHCP Option 66 • DHCP Option 67 • product function / static IP routing product function / static IP routing product function / static IP routing Yes protocol / is supported / ORPP / Yes product function / static IP routing Pv6 yes product function / static IP routing Pv6 yes product functions / security firewall version Stateful inspection OpenVPN (as client for SINEMA RC)		Yes
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type of configuration WBM, CLI, SNMP PROFINET conformity class A product functions / diagnostics product function • SysLog Yes • packet filter log Yes • audit log Yes • port diagnostics Yes • port diagnostics Yes • statistics Packet Size Yes • statistics packet type Yes • error statistics yes Yes • product functions / DHCP product functions / DHCP product function (Static IP could be Yes • DHCP Option 66 Yes • DHCP Option 67 Yes • DHCP Option 67 Yes product function / static IP routing Yes product function / static IP routing IPv6 product function / supported / VRRP Yes product function / supported / OSPFv2 Yes product functions / security firewall version SINEMA RC)		Yes
PROFINET conformity class product functions / diagnostics product function • SysLog • packet filter log • audit log • system log • port diagnostics • port diagnostics • statistics Packet Size • statistics Packet Size • statistics packet type • error statistics • res • ror statistics product functions / DHCP product function • DHCP client • DHCP Server - internal network • DHCP Option 66 • DHCP Option 67 • DHCP Option 67 yes product function / static IP routing product function / static IP routing IPv6 product function / static IP routing IPv6 product function / static IP routing IPv6 product function / security firewall version product function / security firewall version Stateful inspection OpenVPN (as client for SINEMA RC)	• CoS	Yes
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port diagnostics statistics Packet Size statistics packet type error statistics yes Product functions / DHCP product function DHCP client Yes DHCP server - internal network DHCP Option 66 Yes DHCP Option 67 Yes Product function / routing product function / static IP routing protocol / is supported / VRRP product function / static IP routing IPv6 product function / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC)	• audit log	Yes
statistics Packet Size statistics packet type error statistics Yes product functions / DHCP product function DHCP client Yes DHCP server - internal network DHCP Option 66 DHCP Option 67 Yes product functions / routing product function / static IP routing protocol / is supported / VRRP yes product function / static IP routing IPv6 yes product functions / security firewall version product function / with VPN connection Yes stateful inspection OpenVPN (as client for SINEMA RC)	• system log	Yes
statistics packet type error statistics Yes product functions / DHCP product function • DHCP client • DHCP server - internal network • DHCP Option 66 • DHCP Option 67 Yes product functions / routing product function / static IP routing yes product function / static IP routing IPv6 yes product functions / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC)	 port diagnostics 	Yes
error statistics product functions / DHCP product function	statistics Packet Size	Yes
product functions / DHCP product function • DHCP client • DHCP server - internal network • DHCP Option 66 • DHCP Option 67 Product functions / routing product function / static IP routing protocol / is supported / VRRP product function / static IP routing IPv6 protocol / is supported / OSPFv2 product functions / security firewall version product function / with VPN connection Yes stateful inspection OpenVPN (as client for SINEMA RC)	 statistics packet type 	Yes
product function DHCP client DHCP server - internal network DHCP Option 66 Yes DHCP Option 67 Yes Product functions / routing product function / static IP routing protocol / is supported / VRRP Product function / static IP routing IPv6 Product function / static IP routing IPv6 Product function / static IP routing IPv6 Yes Product function / static IP routing IPv6 Yes Product function / Security firewall version Stateful inspection OpenVPN (as client for SINEMA RC)	error statistics	Yes
DHCP client DHCP server - internal network DHCP Option 66 Yes DHCP Option 67 Yes product functions / routing product function / static IP routing protocol / is supported / VRRP Yes protocol / is supported / OSPFv2 product functions / security firewall version product function / with VPN connection Yes Yes Yes Yes Yes Yes Product function / static IP routing IPv6 Yes Yes Product functions / security firewall version OpenVPN (as client for SINEMA RC)	product functions / DHCP	
DHCP server - internal network DHCP Option 66 DHCP Option 67 Yes product functions / routing product function / static IP routing protocol / is supported / VRRP Yes protocol / is supported / OSPFv2 protocol / is supported / OSPFv2 product functions / security firewall version product function / with VPN connection Yes yes product functions / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC)	product function	
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DHCP Option 67 Yes product functions / routing product function / static IP routing protocol / is supported / VRRP product function / static IP routing IPv6 protocol / is supported / OSPFv2 product functions / security firewall version product function / with VPN connection Yes Yes Yes Yes Product functions / security firewall version OpenVPN (as client for SINEMA RC)	DHCP server - internal network	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)	DHCP Option 66	Yes
product function / static IP routing protocol / is supported / VRRP product function / static IP routing IPv6 protocol / is supported / OSPFv2 product functions / security firewall version product function / with VPN connection Yes Yes Yes Yes protocol / is supported / OSPFv2 Yes product functions / security firewall version OpenVPN (as client for SINEMA RC)		Yes
protocol / is supported / VRRP product function / static IP routing IPv6 protocol / is supported / OSPFv2 yes product functions / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC)	product functions / routing	
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protocol / is supported / OSPFv2 Product functions / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC)	protocol / is supported / VRRP	Yes
firewall version stateful inspection product function / with VPN connection OpenVPN (as client for SINEMA RC)	product function / static IP routing IPv6	Yes
firewall version stateful inspection product function / with VPN connection OpenVPN (as client for SINEMA RC)	protocol / is supported / OSPFv2	Yes
product function / with VPN connection OpenVPN (as client for SINEMA RC)	product functions / security	
	firewall version	stateful inspection
	product function / with VPN connection	OpenVPN (as client for SINEMA RC)
product function	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	
ring redundancy	Yes
standby redundancy	Yes
High Speed Redundancy Protocol (HRP)	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	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	31.64 a
WID	01.04 d
standard	EN/IEC 61709
reference temperature	40 °C
reference code	40 0
• according to IEC 81346-2:2019	KED
	KED
standards, specifications, approvals / marine classification	
Marine classification association	Von
American Bureau of Shipping Europe Ltd. (ABS) Franch regions also different applications assists (B)()	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 Statkow (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 De	eclaration
standards, specifications, approvals / Environmental Product De Environmental Product Declaration	eclaration Yes
Environmental Product Declaration	
Environmental Product Declaration Global Warming Potential [CO2 eq]	Yes

0.47 kg · after end of life product extension / optional • C-PLUG Yes further information / internet links internet link • to website: Selection guide for cables and connectors https://support.industry.siemens.com/cs/ww/en/view/109766358 • to web page: selection aid TIA Selection Tool https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net • to website: Industrial communication https://sieportal.siemens.com/ • to web page: SiePortal • to website: Image database https://www.automation.siemens.com/bilddb • to website: CAx-Download-Manager https://www.siemens.com/cax • to website: Industry Online Support https://support.industry.siemens.com ecurity information

security information

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

EMV

For use in hazardous locations



Declaration of Conformity





<u>KC</u>



For use in hazardous locations

Marine / Shipping



<u>FM</u>

CCC-Ex







Marine / Shipping

Dangerous goods

Environment

Industrial Communication



NK / Nippon Kaiji Kyokai



<u>Dangerous goods information</u>

Confirmation

PROFINET

last modified:

6/25/2024

