

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, 100, 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
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 / 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
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	
• 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
• 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 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 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		Yes	
● C-PLUG			
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			
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Approvals / Certificates			
General Product Approval			
 EG-Konf.		 Declaration of Conformity  China RoHS  UL  RCM	
General Product Approval		EMV	
For use in hazardous locations			
 TUEV		 KC  ATEX  IECEx  FM  CCC-Ex	
Test Certificates			
Maritime application			
Type Test Certificates/Test Report		 ABS  BUREAU VERITAS  DNV  LRS NK / Nippon Kaiji Kyokai	
Maritime application		Dangerous goods	
Environment		Industrial Communication	
 RINA		Dangerous goods information  EPD PROFINET	

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