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Data sheet 6GK6080-0SS2.-....

RUGGEDCOM RS8000A hardened, fully managed, Ethernet switches; 2 x 10/100BaseTX + 2 x 10BaseFL + 4 x 100BaseFX; 128-bit encryption;



Figure similar

product type designation	RUGGEDCOM RS8000A
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
number of ports / maximum	8
interfaces / other	
number of electrical connections	
 for operator console 	1
for management purposes	0
type of electrical connection	
 for operator console 	RS232
 for signaling contact 	3-pole terminal block, screwable
for power supply	5-pole screw contact
signal inputs/outputs	
relay design	Form-C contact relay (SPDT)
type of relay output	Changeover contact (CO)
operational current / of the signaling contacts	
• at DC / at 30 V / maximum	1 A
supply voltage, current consumption, power loss	
product options / wide range power supply	Yes
type of voltage / 1 / of the supply voltage	DC
supply voltage / 1 / rated value	24 V
power loss [W] / 1 / rated value	15 W
supply voltage / 1 / rated value	10 36 V
type of voltage / 2 / of the supply voltage	DC
supply voltage / 2 / rated value	48 V
supply voltage / 2 / rated value	36 59 V
type of voltage / 3 / of the supply voltage	DC
supply voltage / 3 / rated value	88 300 V
type of voltage / 4 / of the supply voltage	AC
supply voltage / 4 / rated value	85 265 V
ambient conditions	
ambient temperature	
 during operation 	-40 +85 °C
• note	A maximum operating temperature of +85 °C is permissible for a duration of 16 hours
operating condition / fanless operation	Yes
protection class IP	IP3X
design, dimensions and weights	
design	compact

width	200.3 mm
height	61.8 mm
depth	248.92 mm
net weight	2.25 kg
product feature / conformal coating	optional
material / of the enclosure	18 AWG galvanized steel enclosure
fastening method	To AVVO galvanized steel enclosure
19-inch installation	No
35 mm top hat DIN rail mounting	Yes
wall mounting	Yes
product features, product functions, product components / gene	
number of automatically learnable MAC addresses	8192
storage capacity	
of message buffer / maximum	256 kbyte
switch latency period	4 μs
transfer rate / of the switch	1.6 Gbit/s
number of priority channels	2
product feature	
Store & Forward switching method	Yes
Zero-Packet-Loss technology	Yes; Zero-Packet-Loss applies to fiber optic interfaces
product functions / management, configuration, engineering	
product function	
• CLI	Yes
web-based management	Yes
MIB support	Yes
• RMON	Yes
product function / switch-managed	Yes
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• SFTP	Yes
• SNMP v1	Yes
• SNMP v2	No
SNMP v2c	Yes
• SNMP v3	Yes
 IGMP (snooping/querier) 	Yes
number of groups / at IGMP	256
product function	
for MIB support / by BRIDGE-MIB	RFC4188
• for MIB support / by IF-MIB	RFC2863
• for MIB support / by RMON-MIB	RFC2819
• for MIB support / by RSTP-MIB	RFC4318
• for MIB support / by SNMPv2-MIB	RFC1907
• for MIB support / by SNMPv2-SMI	RFC2578
• for MIB support / by SNMPv2-TC	RFC2579
• for MIB support / by TCP-MIB	RFC2012
• for MIB support / by UDP-MIB	RFC2013
product functions / VLAN	
product function	
VLAN - port based	Yes
number of VLANs / maximum	64
VLAN identification number	1 1000
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
DHCP client	Yes
DHCP Option 82	Yes
DHCP Option 66	No
•	

DHCP Option 67	No
product functions / routing	
protocol / is supported	
• PPP	Yes
product functions / redundancy	
product function	
redundancy procedure STP	Yes
redundancy procedure RSTP	Yes
redundancy procedure MSTP	Yes
• eRSTP	Yes
protocol / is supported	
• STP	Yes
• RSTP	Yes
• MSTP	Yes
product functions / security	
product function	
• IEEE 802.1x (radius)	No
RADIUS client	Yes
protocol / is supported	
RADIUS	Yes
• TACACS+	Yes
• SSL	Yes
key length	100
with SSL	128 bit
• with RSA	1024 bit
product function / port-rate-limiting	Yes
product functions / time	165
product function • SNTP client	Voo
	Yes
SNTP server Appropriate Control of the Contro	Yes
protocol / is supported • SNTP	Voo
	Yes
standards, specifications, approvals	
standard	aCCAva (Compliant with CCA COO 2 No. COOFO TH COOFO TNCOOFO)
for safety / from CSA and UL reference code	cCSAus (Compliant with CSA C22.2 No. 60950, UL60950, EN60950)
reference code	VE
according to IEC 81346-2	KF
according to IEC 81346-2:2019	KFE
standards, specifications, approvals / CE	Ves
certificate of suitability / CE marking	Yes
standard	FOC Post 45 (Close A) ENESCOO (OLOPPOO Close A)
• for EMC	FCC Part 15 (Class A), EN55022 (CISPR22 Class A)
standards, specifications, approvals / other	Complian with 24 CED shorter 4 with the start
laser protection class	Complies with 21 CFR chapter 1, subchapter J
certificate of suitability	V
• IEC 61850-3	Yes
standards, specifications, approvals / product conformity	
product conformity	V
according to IEEE 802.3-10BaseT	Yes
according to IEEE 802.3u-100BaseTX	Yes
according to IEEE 802.3u-100BaseFX	Yes
according to IEEE 802.3x-Flow Control	Yes
according to IEEE 802.1d-MAC Bridges	Yes
according to IEEE 802.1d-STP	Yes
according to IEEE 802.1p-class of service	Yes
according to IEEE 802.1Q-VLAN tagging	Yes
according to IEEE 802.1w-RRST	Yes
 according to IEEE 802.1x-port based Network Access Control 	Yes
• RFC768-UDP	Yes
♥ IXI 0700-0DI	100

• RFC783-TFTP Yes RFC791-IP Yes • RFC792-ICMP Yes • RFC793-TCP Yes RFC826-ARP Yes • RFC854-Telnet Yes • RFC894-IP over Ethernet Yes • RFC1112-IGMPv1 Yes • RFC1519-CIDR Yes • RFC1541-DHCP (client) Yes • RFC2030-SNTP Yes • RFC2068-HTTP Yes • RFC2236-IGMPv2 Yes

further information / internet links

internet link

• to website: Selection guide for cables and connectors

• to website: Industry Mall/RUGGEDCOM selector

• to website: Industrial communication

• to website: Siemens RUGGEDCOM

• to website: Image database

• to website: CAx-Download-Manager • to website: Industry Online Support

https://support.industry.siemens.com/cs/ww/de/view/109766373

https://www.siemens.com/ruggedcom-selector

https://www.siemens.com/simatic-net

https://www.siemens.com/ruggedcom

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

Test Certificates

other



Manufacturer Declaration







inspection certificate

Dangerous Good

Environment

Dangerous Goods Information



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