SIEMENS

Data sheet

6GK5308-2GG10-2CA2



SCALANCE X308-2M TS; managed IE switch, compact; 4x 10/100/1000 Mbit/s for RJ45 ports electrical; 2x 100/1000 Mbit/s for 2-port media modules, electrical or optical; LED diagnostics; error signaling Contact; PROFINET IO device; network management; integrated redundancy manager; Office features (RSTP, VLAN, IGMP,...); C-plug in scope of delivery extended temperature range with railway approval EN 50155;

product type designation	SCALANCE X308-2M TS			
product type designation transfer rate	JUALANUE AJU0-2111 13			
transfer rate	10 Mbit/c 100 Mbit/c 1000 Mbit/c			
	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s			
interfaces / for communication / maximum configuration for mod				
number of electrical ports / maximum	8			
number of optical ports / maximum	4			
interfaces / for communication / integrated				
number of electrical connections				
for network components or terminal equipment	4			
number of 10/100/1000 Mbit/s RJ45 ports / integrated				
with securing collar	4			
number of connectable media modules				
with 2 ports	2			
interfaces / other				
number of electrical connections				
 for signaling contact 	1			
 for media module 	2			
for power 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				
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				
product component / connection for redundant voltage supply	Yes			
type of voltage supply / redundant power supply unit	No			
type of voltage / 1 / of the supply voltage	DC			
 supply voltage / 1 / rated value 	12 V			
 power loss [W] / 1 / rated value 	16.6 W			
 supply voltage / 1 / rated value 	20 30 V			
 consumed current / 1 / maximum 	0.7 A			
 type of electrical connection / 1 / for power supply 	4-pole terminal block			
 product component / 1 / fusing at power supply input 	Yes			
ambient conditions				
ambient temperature				

 during operation 	-40 +70 °C
during storage	-40 +70 °C
 during transport 	-40 +70 °C
● note	Reduced operating temperature through the use of media modules (-40 °C to +70 °C) or SFP plug-in transceivers (-40 °C to +60 °C). If the device is installed in the vertical position, the maximum operating temperature is reduced to +50 °C.
relative humidity	
• at 25 °C / without condensation / during operation /	95 %
maximum	
protection class IP	IP20
design, dimensions and weights	
design	compact
width	120 mm
height	125 mm
depth	124 mm
net weight	1.4 kg
product feature / conformal coating	Yes
fastening method	When used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted.
• 19-inch installation	No
 35 mm top hat DIN rail mounting 	Yes
wall mounting	Yes
S7-300 rail mounting	Yes
• S7-1500 rail mounting	No
product features, product functions, product components / gen	leral
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	100
cascading in cases of star topology	any (depending only on signal propagation time)
product functions / management, configuration, engineering	
product function	
• CLI	Yes
 web-based management 	Yes
MIB support	Yes
• TRAPs via email	Yes
 configuration with STEP 7 	Yes
• RMON	Yes
port mirroring	Yes
multiport mirroring	Yes
• CoS	Yes
PROFINET IO diagnosis	Yes
PROFINET conformity class	B
product function / switch-managed	Yes
protocol / is supported	
Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• F1F • BOOTP	Yes
• GMRP	Yes
• GMRP • DCP	Yes
• DCP • LLDP	Yes
	Yes
• SNMP v1	
• SNMP v2	Yes
• SNMP v3	Yes
IGMP (snooping/querier)	Yes
identification & maintenance function	Ver
I&M0 - device-specific information	Yes
 I&M1 - higher level designation/location designation 	Yes
product functions / diagnostics	
product function	

port diagnostics	Yes
statistics Packet Size	Yes
 statistics packet type 	Yes
error statistics	Yes
• SysLog	Yes
product functions / VLAN	
product function	
 VLAN - port based 	Yes
 VLAN - protocol-based 	No
 VLAN - IP-based 	No
VLAN dynamic	Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
DHCP client	Yes
DHCP Option 82	Yes
DHCP Option 66	Yes
DHCP Option 67	Yes
product functions / redundancy	
product function	
ring redundancy	Yes
 High Speed Redundancy Protocol (HRP) 	Yes
 high speed redundancy protocol (HRP) with redundancy 	Yes
managerhigh speed redundancy protocol (HRP) with standby	Yes
redundancy protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
media redundancy protocol (MRP) with redundancy	Yes
manager	
 redundancy procedure STP 	Yes
 redundancy procedure RSTP 	Yes
 redundancy procedure MSTP 	Yes
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
passive listening	Yes
protocol / is supported	
• STP/RSTP	Yes
• STP	Yes
• RSTP	Yes
• MSTP	Yes
RSTP big network support	Yes
• LACP	Yes
product functions / security	
product function	
ACL - MAC-based	Yes
ACL - port/MAC-based	Yes
• IEEE 802.1x (radius)	Yes
broadcast/multicast/unicast limiter	Yes
broadcast blocking	Yes
protocol / is supported	
• SSH	Yes
product functions / time	
product function	
SICLOCK support	Yes
protocol / is supported	
• NTP	Yes
• SNTP	Yes

standard, specifications, approvals 1.00 standard, specifications, approvals FM 000000000000000000000000000000000000	IEEE 1588 profile default	Yes
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