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Data sheet   **6GK5201-3BH00-2BD2**

XF201-3P IRT managed IE IRT switch, 1x 10/100 Mbit/s RJ45 ports, 3x 100 Mbit/s POF SC RJ Ports, Bus adapter assembled, Error signaling contact with set pushbutton, redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-PLUG optional.

product type designation	**SCALANCE XF201-3P IRT**
product options	XF-200 base device with mounted BusAdapter
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	1
number of optical ports / maximum	3
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	1
number of 100 Mbit/s SC-RJ-ports / for POF FOC	
● with push-pull connection system	3
interfaces / other	
number of electrical connections	
● for signaling contact	1
● for power supply	1
type of electrical connection	
● for signaling contact	2-pole terminal block
● for power supply	2-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	
type of voltage / 1 / of the supply voltage	DC
● supply voltage / 1 / rated value	24 V
● power loss [W] / 1 / rated value	8.4 W
● supply voltage / 1 / rated value	19.2 ... 28.8 V
● consumed current / 1 / maximum	0.4 A
● type of electrical connection / 1 / for power supply	2-pole terminal block
● product component / 1 / fusing at power supply input	Yes
● fuse protection type / 1 / at input for supply voltage	2.5 A (cannot be changed by user)
ambient conditions	
ambient temperature	
● during operation	0 ... 50 °C
● during storage	-40 ... +70 °C
● during transport	-40 ... +70 °C

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relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20

design, dimensions and weights	
design	compact
width	100 mm
height	117 mm
depth	74 mm
net weight	0.25 kg
fastening method	
● 35 mm top hat DIN rail mounting	Yes
● wall mounting	No
● S7-300 rail mounting	No
● S7-1500 rail mounting	No

product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
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
● port mirroring	No
● multiport mirroring	No
● with IRT / PROFINET IO switch	Yes
● PROFINET IO diagnosis	Yes
PROFINET conformity class	C
product function / switch-managed	Yes
protocol / is supported	
● Telnet	Yes
● HTTP	Yes
● HTTPS	Yes
● TFTP	Yes
● FTP	Yes
● BOOTP	No
● DCP	Yes
● LLDP	Yes
● SNMP v1	Yes
● SNMP v2	Yes
● SNMP v3	Yes
identification & maintenance function	
● 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

product functions / DHCP	
product function	
● DHCP client	Yes

product functions / redundancy	
product function	
● ring redundancy	Yes
● High Speed Redundancy Protocol (HRP)	Yes
● high speed redundancy protocol (HRP) with redundancy	Yes

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manager	
● high speed redundancy protocol (HRP) with standby redundancy	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
● media redundancy protocol (MRP) with redundancy manager	Yes
● Media Redundancy Protocol for Planned Duplication (MRPD)	Yes
● Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
● passive listening	Yes

product functions / security	
protocol / is supported	
● SSH	Yes

product functions / time	
product function	
● SICLOCK support	Yes
protocol / is supported	
● NTP	No
● SNTP	Yes

standards, specifications, approvals	
standard	
● for FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16US0205X
● for emitted interference	EN 61000-6-4 (Class A)
● for interference immunity	EN 61000-6-2
reference code	
● according to IEC 81346-2	KF
● according to IEC 81346-2:2019	KFE

standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes

standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
● from CSA and UL	ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480
certificate of suitability	
● for cULus HazLoc / as File Nr.	E240480 (NWHP, NWHP7)

standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
● C-Tick	Yes
● KC approval	Yes
● railway application in accordance with EN 50155	No
● railway application in accordance with EN 50124-1	No

accessories	
product extension / optional / C-PLUG	Yes

further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● to website: Industrial communication	http://www.siemens.com/simatic-net
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx-Download-Manager	http://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information	
security information	Siemens provides products and solutions with industrial security 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 security 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 security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity. 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 Security RSS Feed under https://www.siemens.com/cert. (V4.6)

Approvals / Certificates

General Product Approval	EMC	Declaration of Conformity	
Manufacturer Declaration	RCM	Manufacturer Declaration	CE EG-Konf.

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