

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6GK5202-2BH00-2BA3

MANAGED IRT ETHERNET SWITCH

Used with the applicable SCALANCE industrial networks configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official manufacturer document: 6GK5202-2BH00-2BA3.pdf



SCALANCE X202-2PIRT managed IE IRT switch, 2x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s POF SC RJ ports, 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 X202-2P IRT
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	2
number of optical ports / maximum	2
interfaces / for communication / integrated	
number of electrical connections	2
• for network components or terminal equipment	2
number of 100 Mbit/s SC-RJ-ports / for POF FOC	2
• with push-pull connection system	2
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	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 / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	7.2 W
• supply voltage / 1 / rated value	18 ... 32 V
• consumed current / 1 / maximum	0.3 A
• type of electrical connection / 1 / for power supply	4-pole terminal block
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	1.1 A / 33 V
ambient conditions	
ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C

relative humidity	
at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP30
design, dimensions and weights	
design	compact
width	60 mm
height	125 mm
depth	124 mm
net weight	0.78 kg
fastening method	
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 / 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
network load class / according to PROFINET	2
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 manager	Yes
• 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 61000-6-4:2001 (Class A)
• for interference immunity	EN 61000-6-4:2001
MTBF	83.72 a
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	
• CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8
• CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc
• for cULus HazLoc / as File Nr.	E240480 (NWHP, NWHP7)
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-4:2001
• 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: Selection guide for cables and connectors	https://sie.ag/2QdIxcP
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAX-Download-Manager	http://www.siemens.com/cax

security information

security information

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Approvals / Certificates

General Product Approval

EMC

For use in hazardous locations

[Manufacturer Declaration](#)



[Miscellaneous](#)



[ATEX-Zone 2-Declaration](#)



For use in hazardous locations

Declaration of Conformity

[FM](#)

[CCC-Ex](#)



Declaration of Conformity

Marine / Shipping

other

[Manufacturer Declaration](#)



[PROFINET-Certification](#)

Environment



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