SIEMENS

Data sheet

6GK5202-2BB00-2BA3



SCALANCE X202-2IRT managed IE IRT switch, 2x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s Multimode BFOC, Error signaling contact with set button, Redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-plug optional

product type designation	SCALANCE X202-2IR1
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
for network components or terminal equipment	2
number of 100 Mbit/s ST(BFOC) ports	
for multimode	2
number of 100 Mbit/s SC ports	
for multimode	0
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	
type of voltage / 1 / of the supply voltage	DC
supply voltage / 1 / rated value	24 V
power loss [W] / 1 / rated value	6 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
ambient conditions	
ambient temperature	
during operation	-40 +60 °C
during storage	-40 +70 °C
 during transport 	-40 +70 °C

SCALANCE X202-2IRT

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relative humidity	
 at 25 °C / without condensation / during operation / 	95 %
maximum	
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	
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, engineeri	ng
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 / acc. to PROFINET	2
product function / switch-managed	Yes
protocol / is supported	100
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	
• BOOTP	No You
	Yes
• LLDP	Yes
• SNMP v1	Yes
SNMP v2 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	

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Network Access (RNAÍ)		Yes
product functions / security protocol / is supported		No
protocol / is supported	passive listening	Yes
e SSH product functions / time product functions / time product function • SICLOCK support Proflocal / is supported • NTP • SNTP • SNTP * SNTP * SNTP * SNTP * SNTP * SIAndards, specifications, approvals standard • for FM • for safety / from CSA and UL • for safety / from CSA and UL • for emitted interference • for interference immunity MTBF * Top * T	product functions / security	
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product function SICLOCK support Protocol / is supported NTP No SNTP STANDARD	• SSH	Yes
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standard / for hazardous zone • from CSA and UL • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Cermanische Lloyd (GL) • DNV GL • No EN 60079-0: 2006, EN60079-15: 2005, II 3 (2) G Ex nA [op is] IIC T4, KEMA 07 ATEX 0145 X 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 Yes **EN 61000-6-4:2001 Yes **EN 61000-6-4:2001 Yes • Ro 61000-6-4:2001 No • Ro	certificate of suitability / CE marking	Yes
From CSA and UL ortificate of suitability	standards, specifications, approvals / hazardous environn	nents
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Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • DNV GL • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) Yes	railway application in accordance with EN 50124-1	No
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Nippon Kaiji Kyokai (NK) Yes		
		Yes
Polski Rejestr Statkow (PRS) Yes		Yes
	 Polski Rejestr Statkow (PRS) 	Yes

 Royal Institution of Naval Architects (RINA) 	Yes
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, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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