6GK5216-0BA00-2AA3





SCALANCE X216, managed IE switch, 16x 10/100 Mbit/s RJ45 ports, LED diagnostics, 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 X216	
transfer rate		
transfer rate	10 Mbit/s, 100 Mbit/s	
interfaces / for communication / integrated		
number of electrical connections		
 for network components or terminal equipment 	16	
number of 10/100 Mbit/s RJ45 ports / integrated		
with securing collar	16	
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	5.76 W	
 supply voltage / 1 / rated value 	18 32 V	
consumed current / 1 / maximum	0.24 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	-40 +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	11 00
	compact
design	compact
width	120 mm
height	125 mm
depth	124 mm
net weight	1.2 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 / gene	eral
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
• port mirroring	Yes
multiport mirroring	No
with IRT / PROFINET IO switch	No
PROFINET IO diagnosis	Yes
PROFINET conformity class	В
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

protocol function		
# nerial andundancy protocol (NRP) with redundancy manager # Parallel Redundancy Protocol (RRP) poperation in the PRPI-network # Parallel Redundancy Protocol (RRP) Redundant Network # Parallel Redundancy Protocol (RRP) Redundant Network # Canallel Redundancy Protocol (RRP) Redundant Network # Canallel Redundancy Protocol (RRP) Redundant Network # SSH # Yes # SPH # Yes # Protocol / is supported # SSH # Yes # SCIC COK support # Yes # STANDANC (Support # NIP # SNTP # No # SNTP	protocol / is supported / Media Redundancy Protocol (MRP)	Yes
### Parallel Redundancy Protocol (PRP) Redundant Network Access (RNA) * Parallel Redundancy Protocol (PRP) Redundant Network Access (RNA) * passive listening * product functions / security * Passive / security * Passive / security * ANTP * No *	product function	
* Parallel Redundancy Protocol (PRP) operation in the PRP-Peckenk * Parallel Redundancy Protocol (PRP) PRedundant Network Access (RNA) * Passative listening * Postative listeni		Yes
PRPI- retwork Access (RNA) - passive listening product functions / security - security / security - security / security - security / securit	-	W
Parallel Redundancy Protocol (PRP)Redundant Network Access (RNA) Passive listening Protocol / is supported Self Concess (Protocol / is supported Protocol / is supported / is suppo	, , ,	Yes
Access (RNA) - passive listering product functions / security product functions / supported - \$SN1 - \$SN2 - \$SN2		No
product functions / security protocol / Is supported	, ,	
protocol / is supported SSH SSH SSH Yes product functions / time product functions / SICL OCK support SICL OCK support No SICL OCK support No SICL OCK support No SITP SNTP SNTP SNTP SNTP SNTP SNTP SNTP SITH FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4, FM16US0205X FN 1600-48-2001 (Class A) FN 1600-48-2001 (Class A) FN 1600-48-2001 (Class A) FN 1600-48-2001 (Class A) FR 1600-48-2001 (Class A)	passive listening	Yes
- SSH	product functions / security	
product functions / time product functions / SICLOCK support	protocol / is supported	
product function SICLOCK support No SINTP No SINTP Standards, specifications, approvals standard • for FM • for emitted interference immunity • for emitted interference immunity • for suppose the standard of interference immunity • for interference immunity • for one standard of interference immunity • for interference immunity • for one standard of interference immunity • for interference immunity • for one standard of interference immunity • for interference immunity • for one standard of interference immunity • standard of interference immunity • standard of interference immunity • for mitted interference • according to IEC 81346-22019 KFE • standard of for hazardous zone • for mitted interference immunity • for CSA and UL - analytic standard of for hazardous zone • form CSA and UL - certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard or suitability • CCC / for hazardous zone according to GB standard or sundards, specifications, approvals / other • form CSA and UL - certificate of suitability • CCC / for hazardous zone according to GB standard or sundards, specifications, approvals / other • form according to IEC 81346-22019 • form according to IEC 81346-2201 • form CSA and UL - certificate of suitability • CCC / for hazardous zone according to GB standard or sundards, specifications, approvals / other • form according to IEC 81346-22019 • form according to	• SSH	Yes
SIGLOCK support protocol / is supported NTP SNTP SNTP SNTP STANDARD FEMALITY FMASTIT: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM10US0206X FM10	product functions / time	
protocol / is supported NO NNTP NO NNTP SISTANDERS, specifications, approvals standard of FM for emitted interference for interference immunity EN 61000-64-2001 (Class A) of or interference immunity EN 61000-62-2001 MTBE 52.07 a reference code according to IEC 81346-2 2019 KFE standards, specifications, approvals / FE standards, specifications, approvals / FE certificate of suitability / CE marking Yes Standards, specifications, approvals / Inzardous onvironments standard / for hazardous zone of from CSA and UL certificate of suitability occificate of suita	product function	
SINTP SINTP SITE STANTARDS, specifications, approvals standard for FM	SICLOCK support	Yes
SNTP **Istandards, specifications, approvals** **Istandard** **for FM** **for FM** **for FM** **for emitted interference** **for interference immunity** **MTBF** **seconding to IEC 81346-2** **according to IEC 81346-2** **form CSA and UL** **form CSA and UL** **according to IEC 81346-2** **according to IEC 81346-2** **form CSA and UL** **according to IEC 81346-2** **according to IEC 81346-2** **form CSA and UL** **according to IEC 81346-2** **according to IEC 81346-2** **form CSA and UL** **according to IEC 81346-2** **according to IEC 81346-2	protocol / is supported	
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FMIGUSZOSX • for emitted interference • for interference immunity EN 61000-6-2:2001 MTBF reference code • according to IEC 81346-2 • according to IEC 81346-2:2019 KFE standards, specifications, approvals / CE certificate of suitability / CE marking standards, specifications, approvals / hazardous environments standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone • Referen	standard	
For interference immunity EN 61000-6-2:2001	• for FM	
MTBF reference code	 for emitted interference 	EN 61000-6-4:2001 (Class A)
reference code according to IEC 81346-2 according to IEC 81346-2:2019 standards, specifications, approvals / CE certificate of suitability / CE marking from CSA and UL efrom CSA and UL certificate of suitability cCC / for hazardous zone eCC / for hazardous zone according to GB standard cCC / for hazardous zone according to GB standard cCC / for hazardous zone according to GB standard cCC / for hazardous zone according to GB standard cCC / for hazardous zone according to GB standard cCC / for hazardous zone according to GB standard cCC / for hazardous zone according to GB standard / as marking standards, specifications, approvals / other certificate of suitability c-CTIck Yes standards, specifications, approvals / other certificate of suitability e-CTIck Yes ir allway application in accordance with EN 50155 railway application in accordance with EN 50124-1 No standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification sociation American Bureau of Shipping Europe Ltd. (ABS) French marine classification sociation American Bureau of Shipping Europe Ltd. (ABS) French marine classification sociation American Bureau of Shipping Europe Ltd. (ABS) French marine classification sociation American Bureau of Shipping Europe Ltd. (ABS) French marine classification sociation American Bureau of Shipping Europe Ltd. (ABS) French marine classification sociation American Bureau of Shipping Europe Ltd. (ABS) French marine classification sociation American Bureau of Shipping Europe Ltd. (ABS) French marine classification sociation American Bureau of Shipping Europe Ltd. (ABS) French marine classification sociation American Bureau of Shipping Europe Ltd. (ABS) French marine classification sociation American Bureau of Shipping Europe Ltd. (ABS) French marine classification sociation American Bureau of Shipping Europe Ltd. (ABS) French marine classification sociation American	• for interference immunity	EN 61000-6-2:2001
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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 • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / SEA (CCC) / GCA (CCC) / G	certificate of suitability / CE marking	Yes
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