

Product-type designation

SCALANCE X216



SCALANCE X216, MANAGED IE SWITCH,
 16 X 10/100MBIT/S RJ45 PORTS,
 LED DIAGNOSTICS,
 FAULT SIGNAL. CONTACT WITH SET BUTTON
 REDUNDANT POWER SUPPLY,
 PROFINET-IO DEVICE,
 NETWORK- MANAGEMENT,
 INTEGRATED REDUNDANCY MANAGER,
 INCL. ELECTRONIC MANUAL ON CD,
 C-PLUG OPTIONAL

Transmission rate

Transfer rate / 1	10 Mbit/s
Transfer rate / 2	100 Mbit/s

Interfaces

Number of electrical/optical connections	
<ul style="list-style-type: none"> • for network components or terminal equipment / maximum 	16
Number of electrical connections	
<ul style="list-style-type: none"> • for network components and terminal equipment • for alarm contact • for power supply • for redundant power supply 	16 1 1 1
Design of electrical connection	
<ul style="list-style-type: none"> • for network components and terminal equipment • for signaling contact • for power supply 	RJ45 port 2-pole terminal block 4-pole terminal block
design of the removable storage / C-PLUG	Yes

Inputs/outputs

Operating voltage / of signaling contacts / at DC / rated value	24 V
Operating current / of signaling contacts / at DC / maximum	0.1 A

Supply voltage, current consumption, power loss

Type of voltage / of supply voltage	DC
Supply voltage / external	24 V
<ul style="list-style-type: none"> • minimum • maximum 	18 V 32 V
Product component / fusing at power supply input	Yes
Consumed current / maximum	0.24 A
Active power loss / at 24 V / for DC	5.76 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operating • during storage • during transport 	-40 ... +60 °C -40 ... +70 °C -40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP30
Design, dimensions and weight	
Design	compact
Width	120 mm
Height	125 mm
Depth	124 mm
Net weight	1.2 kg
Type of mounting	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting • wall mounting • S7-300 rail mounting 	Yes Yes Yes
Product properties, functions, components / general	
Cascading in the case of a redundant ring / at reconfiguration time of $\leq 0.3\text{ s}$	50
Cascading in cases of star structuring	Any (depending only on signal propagation time)
Product function	
<ul style="list-style-type: none"> • CLI • web-based management • MIB support • TRAPs via email • Configuration with STEP 7 • Port mirroring • for IRT / PROFINET IO switch • PROFINET IO diagnosis • switch-managed 	Yes Yes Yes Yes Yes Yes No Yes Yes
Protocol / is supported	

• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• DCP	Yes
• LLDP	Yes
Identification & maintenance	
• I&M0 - device-specific information	Yes
• I&M1 - plant identification/location name	Yes
Product functions / Diagnosis	
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
• Redundancy manager	Yes
• Standby redundancy	No
• HSR redundancy protocol	Yes
• MRP redundancy protocol	Yes
• redundancy procedure PRP	No
• Passive listening	Yes
Protocol / is supported / PRP	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 EMC / from FM

FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4

- for hazardous zone

EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X

- for safety / of CSA and UL

UL 60950-1, CSA C22.2 No. 60950-1

- for hazardous area / of 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

- for emitted interference

EN 61000-6-4:2001 (Class A)

- for interference immunity

EN 61000-6-2:2001

Verification of suitability

EN 61000-6-2:2001, EN 61000-6-4:2001

- CE mark

Yes

- C-Tick

Yes

- KC approval

Yes

- Railway application in accordance with EN 50155

No

- Railway application in accordance with EN 50124-1

No

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)

Yes

- Bureau Veritas (BV)

Yes

- Det Norske Veritas (DNV)

Yes

- Germanische Lloyd (GL)

Yes

- Lloyds Register of Shipping (LRS)

Yes

- Nippon Kaiji Kyokai (NK)

Yes

- Polski Rejestr Statkow (PRS)

No

letzte Änderung:

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