

Product-type designation

SCALANCE X308-2M POE



SCALANCE X308-2M POE;
 MANAGED IE SWITCH, COMPACT;
 4 X 10/100/1000MBIT/S FOR RJ45 PORTS ELEKTRICAL WITH POE;
 2 X 100/1000MBIT/S FOR 2-PORT- MEDIA MODULES, ELEKTRICAL OR OPTICAL;
 LED DIAGNOSIS;
 FAULT SIGNAL CONTACT;
 SELECT SET BUTTON;
 PROFINET IO DEVICE;
 NETWORK- MANAGEMENT;
 INTEGRATED REDUNDANCY-MANAGER;
 OFFICE FEATURES (RSTP, VLAN, IGMP,..);
 C-PLUG IN SCOPE OF SUPPLY

Transmission rate

Transfer rate / 1	10 Mbit/s
Transfer rate / 2	100 Mbit/s
Transfer rate / 3	1000 Mbit/s

Interfaces

Number of electrical/optical connections / for network components or terminal equipment / maximum	8
Number of electrical connections	
• for network components and terminal equipment	4
• for Power-over-Ethernet / for network components or terminal equipment	4
• for alarm contact	1
• for media module	2
• for power supply	1
• for redundant power supply	1
Design of electrical connection	
• for network components and terminal equipment	RJ45 port
• for Power-over-Ethernet / for network components or terminal equipment	RJ45 port
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block

Design of optical interface / for optical waveguide	
<ul style="list-style-type: none"> • at 100 Mbit/s • at 1000 Mbit/s 	<p>Dependent on selected media modules</p> <p>Dependent on selected media modules</p>
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 supply voltage / redundant power supply unit	No
Type of voltage / of supply voltage	DC
Supply voltage	
<ul style="list-style-type: none"> • external • external 	<p>24 V</p> <p>19.2 ... 28.8 V</p>
Product component / fusing at power supply input	Yes
Consumed current / maximum	2 A
Power loss	
<ul style="list-style-type: none"> • at 24 V / for DC 	17 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operating • during storage • during transport • Comment 	<p>-40 ... +60 °C</p> <p>-40 ... +70 °C</p> <p>-40 ... +70 °C</p> <p>If the device is installed in the vertical position, the maximum operating temperature is reduced to 60 °C.</p>
Relative humidity	
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operating / maximum 	95 %
Protection class IP	IP20
Design, dimensions and weight	
Design	compact
Width	120 mm
Height	125 mm
Depth	124 mm
Net weight	1.15 kg
Type of mounting	
<ul style="list-style-type: none"> • Installation 19 inch • 35 mm DIN rail mounting • wall mounting • S7-300 rail mounting 	<p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>

Type of mounting

When using SFP plug transceivers, only horizontal mounting is permitted; when used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted

Product properties, functions, components / general

Cascading in the case of a redundant ring / at reconfiguration time of $\leq 0.3\text{ s}$

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Cascading in cases of star structuring

Any (depending only on signal propagation time)

Product function

- CLI
- web-based management
- MIB support
- TRAPs via email
- Configuration with STEP 7
- RMON
- Port mirroring
- CoS
- PROFINET IO diagnosis
- switch-managed

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes

Protocol / is supported

- Telnet
- HTTP
- HTTPS
- TFTP
- FTP
- BOOTP
- SNMP v1
- SNMP v2
- SNMP v3
- IGMP (snooping/querier)
- GMRP
- DCP
- LLDP

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes

Identification & maintenance

- I&M0 - device-specific information
- I&M1 - plant identification/location name

Yes
Yes

Product functions / Diagnosis

Product function

- Port diagnostics
- Statistics Packet Size
- Statistics packet type
- Error statistics

Yes
Yes
Yes
Yes

• SysLog	Yes
Product functions / VLAN	
Product function	
• VLAN - port based	Yes
• VLAN dynamic	Yes
Number of VLANs / maximum	255
Number of VLANs - dynamic / maximum	255
Protocol / is supported / GVRP	Yes
Product functions / DHCP	
Product function	
• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	Yes
• DHCP Option 67	Yes
Product functions / Redundancy	
Product function	
• Ring redundancy	Yes
• Redundancy manager	Yes
• Standby redundancy	Yes
• HSR redundancy protocol	Yes
• MRP redundancy protocol	Yes
• redundancy procedure STP	Yes
• RSTP redundancy protocol	Yes
• Passive listening	Yes
Protocol / is supported	
• STP/RSTP	Yes
• STP	Yes
• RSTP	Yes
• RSTP big network support	Yes
• LACP	Yes
Product functions / Security	
Product function	
• ACL - port/MAC-based	Yes
• IEEE 802.1x (radius)	Yes
• Broadcast/Multicast/Unicast Limiter	Yes
• broadcast blocking	Yes
Protocol / is supported / SSH	Yes
Product functions / Time	
Product function / SICLOCK support	Yes

Protocol / is supported

- NTP
- SNTP
- IEEE 1588 profile default

No
Yes
Yes

Standards, specifications, approvals

Standard

- for EMC
 - from FM
- for hazardous zone
- for safety / of CSA and UL
- for hazardous area / of CSA and UL
- for emitted interference
- for interference immunity

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

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

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

UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213 -M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4

EN 61000-6-4:2007 (Class A)

EN 61000-6-2:2005

Verification of suitability

EN 61000-6-2:2005, EN 61000-6-4:2007

- CE mark
- C-Tick
- KC approval
- Railway application in accordance with EN 50155

Yes
Yes
No
No

letzte Änderung:

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