

Product-type designation

SCALANCE XF208



SCALANCE XF208, FLAT, MANAGED IE SWITCH, 8 X 10/100MBIT/S RJ45 PORTS, FAULT SIGNAL CONTACT WITH SET- BUTTON, REDUNDANT POWER SUPPLY, PROFINET-IO DEVICE, NETWORKMANAGEMENT, RED.- MANAGER INTEGRATED, INCL. 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 	8
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 	8 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 	18 V
<ul style="list-style-type: none"> • maximum 	32 V
Product component / fusing at power supply input	Yes
Consumed current / maximum	0.13 A
Active power loss / at 24 V / for DC	3.12 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operating 	-40 ... +60 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +70 °C
<ul style="list-style-type: none"> • Comment 	If the IE switch XF 200 is installed horizontally a maximum ambient temperature of +40 °C is permitted
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Design	Flat
Width	75 mm
Height	125 mm
Depth	73 mm
Net weight	0.25 kg
Type of mounting	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	No
<ul style="list-style-type: none"> • S7-300 rail mounting 	No
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 	Yes
<ul style="list-style-type: none"> • web-based management 	Yes
<ul style="list-style-type: none"> • MIB support 	Yes
<ul style="list-style-type: none"> • TRAPs via email 	Yes
<ul style="list-style-type: none"> • Configuration with STEP 7 	Yes
<ul style="list-style-type: none"> • Port mirroring 	Yes
<ul style="list-style-type: none"> • for IRT / PROFINET IO switch 	No
<ul style="list-style-type: none"> • PROFINET IO diagnosis 	Yes
<ul style="list-style-type: none"> • switch-managed 	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
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• 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 0145 X
• 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)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Germanische Lloyd (GL)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (NK)	No
• Polski Rejestr Statkow (PRS)	No
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