## SIEMENS

## Data sheet

## 6GK5310-0BA10-2AA3



SCALANCE X310FE, managed plus IE switch, 10x 10/100 Mbit/s RJ45 ports, LED diagnostics, error-signaling contact with Select/set pushbutton, PROFINET IO Device, network management, integrated redundancy manager, Office features (RSTP, VLAN, IGMP,...) C-plug in scope of delivery

product type designation	SCALANCE X310FE
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
<ul> <li>for network components or terminal equipment</li> </ul>	10
number of 10/100 Mbit/s RJ45 ports / integrated	
<ul> <li>with securing collar</li> </ul>	10
interfaces / other	
number of electrical connections	
<ul> <li>for signaling contact</li> </ul>	1
for power supply	1
type of electrical connection	
<ul> <li>for signaling contact</li> </ul>	2-pole terminal block
<ul> <li>for power supply</li> </ul>	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 supply / redundant power supply unit	No
type of voltage / 1 / of the supply voltage	DC
<ul> <li>supply voltage / 1 / rated value</li> </ul>	24 V
<ul> <li>power loss [W] / 1 / rated value</li> </ul>	9.6 W
<ul> <li>supply voltage / 1 / rated value</li> </ul>	18 32 V
<ul> <li>consumed current / 1 / maximum</li> </ul>	0.4 A
<ul> <li>type of electrical connection / 1 / for power supply</li> </ul>	4-pole terminal block
<ul> <li>product component / 1 / fusing at power supply input</li> </ul>	Yes
ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-40 +60 °C
during storage	-40 +70 °C

• Version 2 doing doubpoint         Point OC 0           • etails to full full oppoint         95 %           • Protector datas IP         IP30           design, dimensions and weights         compact           design, dimensions and weights         120 mm           feelph         122 mm           etails not opermitted.         Hain on a 35 mm standard mounting           visit not be to IN rail mounting         Yes           • S7.300 rail mounting         Yes           • S7.1500 rail mounting         Yes           • S7.1500 rail mounting         Yes           • Calcular finances, product functions, product components? general         cescenting in the case of a redundant fing / at           cescenting in the case of a redundant fing / at         100           cescenting in meases of stropology         are y (depending only on signal propagation time)           product function         Yes           • CLI         Yes           • INIS support         Yes           • INIS support         Yes           • Configuration with STEP 7         Yes           • INIS support <th>during transport</th> <th>-40 +70 °C</th>	during transport	-40 +70 °C
• at 25 °C / without condensation / during operation / maximum         95 %           protection class IP         P30           design, dimensions and weights         compact           with         120 mm           height         125 mm           depth         125 mm           depth         125 mm           depth         14 kg 0           fastening method         Vite used in hipbuilding, installation on a 35 mm standard mounting rul is nor to permitted.           • 19-inch installation         No           • 35 mm to phat DN rul mounting         Yes           • 57-300 rul mounting         Yes           • 57-37-300 rul mounting         No           product features, product functions, product components/ general         cascading in the case of a reducted mount for / at reconfiguration time of <-0.3ix-s		
protection class IP         IP30           design         compact           width         120 mm           height         125 mm           depth         125 mm           depth         125 mm           depth         14 kg 0           retweight         14 kg 0           estening method         Viter used in hipbuilding, installation on a 35 mm standard mounting rul is not parmitted.           • 19 inch installation         No           • 35 mit top hat DIN rul mounting         Yes           • 57-1300 rul mounting         Yes           • 57-7300 rul mounting         Yes           • 57-7300 rul mounting         No           product functions, product components/ general         cascading in the case of a redunant rule; /at           reconfiguration time of <-0.3x-s	• at 25 °C / without condensation / during operation /	95 %
design         compact           design         compact           width         120 mm           height         125 mm           depth         123 mm           net weight         14 kg           istening method         When used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted.           • 19-inch installation         No           • 35 mm top hat DIN rail mounting         Yes           • 57.300 rail mounting         Yes           • 57.4500 rail mounting         Yes           • 19-induct fautros, product fautros         product fautros           • reporting fautros         product fautros           • reporting fautros         yes           • reporting fautros         Yes           • report mirroring         Yes           • report mirroring         Yes           • report mirroring         Yes		
design         compact           with         120 mm           height         125 mm           depth         123 mm           net weight         14 kg g           fastening method         14 kg g           issening method         When used in shipbuilding, installation on a 35 mm standard mounting rall is not premitted.           • 19-inch installation         No           • 35 mm top hat DIN rall mounting         Yes           • 57-300 rall mounting         Yes           • 57-300 rall mounting         Yes           • 57-300 rall mounting         No           product finatures, product functions, product components / general         cascading in the case of a radiuation, engineering           product function         Yes           • CLI         Yes           • MB support         Yes           • CRIMON         Yes           • CRIMON         Yes           • MB support         Yes           • MB support         Yes           • MB support         Yes           • MRION         Yes           • ProDriveT In diagnesis         Yes           • ProDriveT In diagnesis         Yes           • Forther threading         Yes           • Forther </td <td>•</td> <td>IP30</td>	•	IP30
width         120 mm           height         123 mm           depth         123 mm           ret weight         14 kg           fastening method         14 kg           astening method         No           • 19-inch installation         No           • 35 mm top hat DN rail mounting         Yes           • S7-300 rail mounting         Yes           • S7-300 rail mounting         Yes           • S7-300 rail mounting         Yes           • S7-1500 rail mounting         Yes           • S7-1500 rail mounting         Yes           • S7-1500 rail mounting         No           product fastures, product functions, product components/general         any (depending only on signal propagation time)           product function         • CLI         Yes           • Web based management         Yes         • CLI           • web based management         Yes         • CLI           • NON         Yes         • RaNON           • CLI         Yes         • RaNON           • port function / supported         Yes         • Ranon           • protocol / supported         Yes         • Ranon           • protocol / is supported         Yes         • Ranon	design, dimensions and weights	
height         128 mm           depth         123 mm           net weight         1.4 kg           fastening method         When used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted.           • 19-inch installation         No           • 35 mm top hat DIN rail mounting         Yes           • xall mounting         Yes           • 57-300 rail mounting         Yes           • 57-7300 rail mounting         Yes           • 57-7300 rail mounting         Yes           • 57-7300 rail mounting         Yes           • 57-7400 rail mounting         Yes           • 57-7300 rail mounting         Yes           • 57-7300 rail mounting         Yes           • 57-7500 rail mounting         any (depending only on signal propagation time)           product functions         / Yes           • ccll         web-based management         Yes           • onfiguration with STEP 7         Yes           • mitodit function         Yes         Yes           • configuration with STEP 7         Yes           • protor insignals         Yes           • protor insignals         Yes           • protor in supported         Yes           • protor in supopredd         Yes	design	compact
depth         123 mm           ret weight         14 kg           fastening method         14 kg           isstening method         When used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted.           • 19-inch installation         No           • 33 mm top hat DN rail mounting         Yes           • wall mounting         Yes           • S7-300 rail mounting         Yes           • S7-1000 rail mounting         No           product fautures, product functions, product components/general         100           cascading in the case of a redundant ring / at reconfiguration time of <-0.34-9.	width	120 mm
net weight     1.4 kg       fastering method     When used in shipbuilding, installation on a 35 mm standard mounting rails and permitted.       • 19-inch installation     No       • 35 mm top hat DIN rail mounting     Yes       • will mounting     Yes       • 57-500 rail mounting     Yes       • 57-500 rail mounting     No       product fastures, product functions, product components / general     cacading in the case of a roundant ring / at       cacading in the case of a roundant ring / at     100       reconfiguration time of -<0.3~s	height	125 mm
fastening method     When used in shipbuilding, installation on a 35 mm standard mounting       • 19-inch installation     No       • 33 mm top hat DN rail mounting     Yes       • soft anounting     Yes       • S7-300 rail mounting     Yes       • S7-300 rail mounting     No       product features, product functions, product components / general     Image: Composition of the Case of a redundant ring / at reconfiguration time of <<0.3 v-s	depth	123 mm
rail is not permitted. No No No Simm top hat DIN rail mounting Yes S7-1500 rail mounting Product functions, product components / general cescading in the case of a redundant ring / at reconfiguration time of <-0.3x-5 cescading in cases of sar topology any (depending only on signal propagation time) Product functions reconfiguration time of <-0.3x-5 cescading in cases of sar topology any (depending only on signal propagation time) Product functions reconfiguration time of <-0.3x-5 cescading in cases of sar topology any (depending only on signal propagation time) Product functions reconfiguration with STEP 7 RMON No PROFINET IO diagnosis Product function / Yes PROFINET IO diagnosis Product function / Yes Protocol // is supported Telahet Telahet FTP FTP FTP FTP Support SNMP V2 SNMP V2 SNMP V2 SNMP V3 SNMP S3 SNMP S3 SNMP S3 SNMP S3 SNMP S3 SNMP S3 SNMP S3 SNMP S3 SNMP S3 SNMP S3	net weight	1.4 kg
• 35 mm top hat DIN rail mounting     Yes       • wall mounting     Yes       • S7-1500 rail mounting     No       product factures, product functions, product components / general     cescading in the case of a redundant ring / at       cescading in the case of a redundant ring / at     100       reconfiguration time of <-0.3x-5	fastening method	When used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted.
• wall mounting         Yes           • \$7-300 rail mounting         No           product faitures, product functions, product components / general         100           ceascading in the case of a redundation (in g / at reconfiguration time of <-0.3x-s	<ul> <li>19-inch installation</li> </ul>	No
• S7-300 rail mounting     Yes       • S7-1500 rail mounting     No       Cascading in the case of a redundant ling / at reconfiguration time of <+0.31-s	<ul> <li>35 mm top hat DIN rail mounting</li> </ul>	Yes
> S7-1500 rail mounting     No       product functions, product components / general     cascading in the case of a redundant ring / at ing / at	<ul> <li>wall mounting</li> </ul>	Yes
product features, product functions, product components / general           cascading in the case of a redundant ring / at reconfiguration time of <-0.3%-s	<ul> <li>S7-300 rail mounting</li> </ul>	Yes
cascading in the case of a redundant ring / at reconfiguration time of <<-0.34-s	<ul> <li>S7-1500 rail mounting</li> </ul>	No
recordiguration time of <<-0.3i+s	product features, product functions, product components	s / general
product functions / management, configuration, engineering           product function           • CLI         Yes           • web-based management         Yes           • WB support         Yes           • IRAPs via email         Yes           • ordinguration with STEP 7         Yes           • RMON         Yes           • port mirroring         Yes           • multiport mirroring         Yes           • CoS         Yes           • PROFINET to diagnosis         Yes           PROFINET conformity class         B           product function / switch-managed         Yes           • PROFINET conformity class         B           product function / switch-managed         Yes           • FIP         Yes           • HTTPS         Yes           • HTTPS         Yes           • ENO         Yes           • DOTP         Yes           • BOOTP         Yes           • DCP         Yes           • SNMP v1         Yes           • SNMP v2         Yes           • SNMP v3         Yes           • IGMP (snooping/querier)         Yes           • ISM0 - device-specific information         Yes		100
product functions / management, configuration, engineering           product function           • CLI         Yes           • web-based management         Yes           • WB support         Yes           • IRAPs via email         Yes           • ordinguration with STEP 7         Yes           • RMON         Yes           • port mirroring         Yes           • multiport mirroring         Yes           • CoS         Yes           • PROFINET to diagnosis         Yes           PROFINET conformity class         B           product function / switch-managed         Yes           • PROFINET conformity class         B           product function / switch-managed         Yes           • FIP         Yes           • HTTPS         Yes           • HTTPS         Yes           • ENO         Yes           • DOTP         Yes           • BOOTP         Yes           • DCP         Yes           • SNMP v1         Yes           • SNMP v2         Yes           • SNMP v3         Yes           • IGMP (snooping/querier)         Yes           • ISM0 - device-specific information         Yes		any (depending only on signal propagation time)
product function     Yes       • CLI     Yes       • web-based management     Yes       • IRAPs via email     Yes       • configuration with STEP 7     Yes       • configuration with STEP 7     Yes       • port mirroring     Yes       • port mirroring     Yes       • CoS     Yes       • PROFINET IO diagnosis     Yes       product function / switch-managed     Yes       product function / switch-managed     Yes       product function / switch-managed     Yes       • FIFP     Yes       • HTTPS     Yes       • FIFP     Yes       • DOTP     Yes       • DOTP     Yes       • SIMP V1     Yes       • SIMP V2     Yes       • SIMP V3     Yes       • IGMP (snooping/querier)     Yes       identification & maintenance function     Yes       • IMP (snooping/querier)     Yes       product function - mich diagnostics     Yes       product function - diagnostics     Yes		
• CLIYes• web-based managementYes• Wilb supportYes• RTRAPs via emailYes• configuration with STEP 7Yes• configuration with STEP 7Yes• port mimoringYes• port mimoringYes• port mimoringYes• CoSYes• PROFINET IO diagnosisYes• PROFINET conformity classBproduct function / switch-managedYes• TeinetYes• HTTPYes• HTTPYes• HTTPYes• FIPYes• EFPYes• BOOTPYes• COPYes• SNMP V1Yes• SNMP v2Yes• ISMM P v3Yes• ISMM P v3Yes• ISMM P v3Yes• ISMP (snooping/querier)Yes• ISMP (snooping/querier)Yes• ISMP (snooping/querier)Yes• ISMP (snooping/querier)Yes• ISMP (snooping/querier)Yes• ISMP (snooping/querier)Yes• ISM1 - higher level designation/location designationYes• port diagnosticsYes• product functionYes• statistics Packet SizeYes		
• web-based managementYes• MIB supportYes• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• port mirroringYes• port mirroringYes• CoSYes• PROFINET IO diagnosisYes• PROFINET conformity classB• protocol / is supportedYes• TainetYes• TTTPSYes• FTPYes• FTPYes• FTPYes• ETPYes• ETPYes• ITTPSYes• ETPYes• SIMP V3Yes• ISMMP in thigher level designation/location designationYes• Istatistics Packet SizeYes		Yes
• MIB support     Yes       • TRAPs via email     Yes       • configuration with STEP 7     Yes       • configuration with STEP 7     Yes       • RMON     Yes       • port mirroring     Yes       • multiport mirroring     Yes       • CoS     Yes       • PROFINET IO diagnosis     Yes       PROFINET conformity class     B       product function / switch-managed     Yes       • Telnet     Yes       • HTTP     Yes       • HTTP     Yes       • HTTP Yes     Yes       • HTTP Yes     Yes       • FTP     Yes       • BOOTP     Yes       • GMRP     Yes       • DCP     Yes       • LLDP     Yes       • SNMP v1     Yes       • SNMP v3     Yes       • IGMP (snooping/querier)     Yes       • IGMP (snooping/querier)     Yes       • I&M0 - device-specific information     Yes       • I&M0 - device-specific information     Yes       • I&M1 - higher level designation/location designation     Yes       • product function     Yes       • statistics Packet Size     Yes		
• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• port minroringYes• nutliport minroringYes• CoSYes• PROFINET IO diagnosisYes• PROFINET IO diagnosisYes• PROFINET conformity classBproduct function / switch-managedYes• TelnetYes• TelnetYes• TTTPYes• HTTPSYes• FTPYes• BOOTPYes• BOOTPYes• GMRPYes• DCPYes• SNMP v1Yes• SNMP v3Yes• IGMP (snooping/querier)Yes• Identification & maintenance functionYes• I&M1 - higher level designation/location designationYes• product functionYes• statistics Packet SizeYesYesYes	-	
• configuration with STEP 7Yes• RMONYes• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• PROFINET conformity classBproduct function / switch-managedYesprotocol / is supportedYes• TeinetYes• HTTPYes• HTTPYes• FTPYes• FTPYes• GMRPYes• DCPYes• DCPYes• SNMP v1Yes• SNMP v2Yes• IGMP (snooping/querier)Yes• IGMP (snooping/querier)Yes• ISM0 - device-specific informationYes• IsM1 - higher level designation/location designationYesproduct functionYes• statistics Packet SizeYes		
• RMONYes• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• PROFINET conformity classBproduct function / switch-managedYesprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPYes• HTTPYes• FTPYes• BOOTPYes• BOOTPYes• BOOTPYes• BOOTPYes• BOOTPYes• BOOTPYes• BOOTPYes• GMRPYes• CDPYes• CMNP v1Yes• SNMP v2Yes• IGMP (snooping/querier)Yes• IGMP (snooping/querier)Yes• IGMD - device-specific informationYes• I&M1 - higher level designation/location designationYes• product functionYes• jagnosticsYes• statistics Packet SizeYes		
• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYesPROFINET conformity classBproduct function / switch-managedYesprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes• FTPYes• FTPYes• GMRPYes• BOOTPYes• BOOTPYes• GMRPYes• SNMP v1Yes• SNMP v1Yes• SNMP v3Yes• IGMP (snooping/querier)Yes• I&M - device-specific informationYes• I&M - device-specific informationYes• product function / diagnosticsYes• statistics Packet SizeYes• statistics Packet SizeYes	-	
• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYesPROFINET conformity classBproduct function / switch-managedYesprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPYes• TFTPYes• FTPYes• BOOTPYes• BOOTPYes• DCPYes• LDPYes• SNMP v1Yes• SNMP v2Yes• ISMV v3Yes• ISMV v3Yes• ISMV v4Yes• ISMV v5Yes• ISMV v6Yes• ISMV v6Yes<		
• CoS       Yes         • PROFINET IO diagnosis       Yes         PROFINET conformity class       B         product function / switch-managed       Yes         protocol / is supported       Yes         • Telnet       Yes         • HTTP       Yes         • HTTPS       Yes         • HTTPS       Yes         • FTP       Yes         • BOOTP       Yes         • BOOTP       Yes         • BOOTP       Yes         • DCP       Yes         • SNMP v1       Yes         • SNMP v2       Yes         • IGMP (snooping/querier)       Yes         • I&M1 - higher level designation/location designation       Yes         • I&M1 - higher level designation/location designation       Yes         • product function       Yes         • statistics Packet Size       Yes		
• PROFINET IO diagnosisYesPROFINET conformity classBproduct function / switch-managedYesprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPYes• HTTPYes• FTPYes• BOOTPYes• SNMP v1Yes• SNMP v2Yes• IGMP (snooping/querier)Yes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functionsImage statistics• port diagnosticsYes• statistics Packet SizeYes		
PROFINET conformity class       B         product function / switch-managed       Yes         protocol / is supported       Yes         • Telnet       Yes         • HTTP       Yes         • HTTPS       Yes         • TFIP       Yes         • FTP       Yes         • BOOTP       Yes         • BOMRP       Yes         • BOMP v1       Yes         • SNMP v1       Yes         • SNMP v2       Yes         • SNMP v3       Yes         • IGMP (snooping/querier)       Yes         • Identification & maintenance function       Yes         • I&M0 - device-specific information       Yes         • I&M0 - device-specific information       Yes         • I&M1 - higher level designation/location designation       Yes         product function       Yes         • statistics Packet Size       Yes		
product function / switch-managed     Yes       protocol / is supported     Yes       • Telnet     Yes       • HTTP     Yes       • HTTPS     Yes       • TFTP     Yes       • FTP     Yes       • BOOTP     Yes       • GMRP     Yes       • DCP     Yes       • LLDP     Yes       • SNMP v1     Yes       • SNMP v2     Yes       • IGMP (snooping/querier)     Yes       • I&M0 - device-specific information     Yes       • I&M0 - device-specific information     Yes       product function     Yes       product function     Yes       • port diagnostics     Yes       Yes     Yes		
protocol / is supported       Yes         • Telnet       Yes         • HTTP       Yes         • HTTPS       Yes         • TFTP       Yes         • FTP       Yes         • BOOTP       Yes         • GMRP       Yes         • DCP       Yes         • LLDP       Yes         • SNMP v1       Yes         • SNMP v2       Yes         • IGMP (snooping/querier)       Yes         identification & maintenance function       Yes         • I&MO - device-specific information       Yes         I&MM - higher level designation/location designation       Yes         product function       Yes         • port diagnostics       Yes         • statistics Packet Size       Yes		
TelnetYesHTTPYesHTTPSYesTFTPYesFTPYesBOOTPYesGMRPYesDCPYesLLDPYesSNMP v1YesSNMP v2YesGMRP (snooping/querier)Yesidentification & maintenance functionYesI&M0 - device-specific informationYesproduct functions / diagnosticsYesproduct functionYese statistics Packet SizeYes		105
HTTPYesHTTPSYesTFTPYesFTPYesBOOTPYesGMRPYesDCPYesLLDPYesSNMP v1YesSNMP v2YesIGMP (snooping/querier)Yesidentification & maintenance functionYesi.8M0 - device-specific informationYesproduct functions / diagnosticsYesproduct functionYesi.8tatistics Packet SizeYes		Vos
HTTPSYesTFTPYesFTPYesBOOTPYesGMRPYesDCPYesLLDPYesSNMP v1YesSNMP v2YesSNMP v3YesIGMP (snooping/querier)YesIdentification & maintenance functionYesIBM0 - device-specific informationYesIBM1 - higher level designation/location designationYesproduct functionYesproduct functionYesIstistics Packet SizeYes		
• TFTPYes• FTPYes• BOOTPYes• GMRPYes• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Yes• IdM - device-specific informationYes• I&M - higher level designation/location designationYesproduct functionYes• statistics Packet SizeYes		
• FTPYes• BOOTPYes• GMRPYes• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Yes• Identification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functionYes• port diagnosticsYes• statistics Packet SizeYes		
• BOOTPYes• GMRPYes• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Yes· Identification & maintenance functionYes· I&&O - device-specific informationYes· I&&M - higher level designation/location designationYesproduct functions / diagnosticsYes· port diagnosticsYes· statistics Packet SizeYes		
• GMRPYes• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Yesidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYes• statistics Packet SizeYes		
• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Yesidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYes• port diagnosticsYes• statistics Packet SizeYes		
LLDPYesSNMP v1YesSNMP v2YesSNMP v3YesIGMP (snooping/querier)Yesidentification & maintenance functionYesi&M0 - device-specific informationYesI&M1 - higher level designation/location designationYesproduct functions / diagnosticsproduct functionYesistatistics Packet SizeYes		
• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Yesidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYes• port diagnosticsYes• statistics Packet SizeYes		
• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Yesidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYes• port diagnosticsYes• statistics Packet SizeYes		
• SNMP v3Yes• IGMP (snooping/querier)Yesidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYes• port diagnosticsYes• statistics Packet SizeYes		
• IGMP (snooping/querier)Yesidentification & maintenance function• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYes• port diagnosticsYes• statistics Packet SizeYes		
identification & maintenance function       Yes         • I&M0 - device-specific information       Yes         • I&M1 - higher level designation/location designation       Yes         product functions / diagnostics       Yes         • port diagnostics       Yes         • statistics Packet Size       Yes		
• I&M0 - device-specific information     Yes       • I&M1 - higher level designation/location designation     Yes       product functions / diagnostics     Yes       • port diagnostics     Yes       • statistics Packet Size     Yes		105
• I&M1 – higher level designation/location designation         Yes           product functions / diagnostics         Yes           product function         Yes           • port diagnostics         Yes           • statistics Packet Size         Yes		Vec
product functions / diagnostics         product function         • port diagnostics       Yes         • statistics Packet Size       Yes	•	
product function       • port diagnostics       • statistics Packet Size       Yes		
<ul> <li>port diagnostics</li> <li>statistics Packet Size</li> <li>Yes</li> </ul>		
statistics Packet Size     Yes		
statistics packet type Yes		
	<ul> <li>statistics packet type</li> </ul>	Yes

error statistics	Yes
• SysLog	Yes
product functions / VLAN	
product function	
VLAN - port based	Yes
VLAN - protocol-based	No
• VLAN - IP-based	No
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	
<ul> <li>ring redundancy</li> </ul>	Yes
<ul> <li>High Speed Redundancy Protocol (HRP)</li> </ul>	Yes
<ul> <li>high speed redundancy protocol (HRP) with redundancy manager</li> </ul>	Yes
<ul> <li>high speed redundancy protocol (HRP) with standby redundancy</li> </ul>	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
<ul> <li>media redundancy protocol (MRP) with redundancy manager</li> </ul>	Yes
<ul> <li>redundancy procedure STP</li> </ul>	Yes
<ul> <li>redundancy procedure RSTP</li> </ul>	Yes
<ul> <li>redundancy procedure MSTP</li> </ul>	Yes
passive listening	Yes
protocol / is supported	
STP/RSTP	Yes
• STP	Yes
• RSTP	Yes
• MSTP	Yes
<ul> <li>RSTP big network support</li> </ul>	Yes
• LACP	Yes
product functions / security	
product function	
<ul> <li>ACL - MAC-based</li> </ul>	Yes
<ul> <li>ACL - port/MAC-based</li> </ul>	Yes
• IEEE 802.1x (radius)	Yes
<ul> <li>broadcast/multicast/unicast limiter</li> </ul>	Yes
broadcast blocking	Yes
protocol / is supported	
• SSH	Yes
product functions / time	
product function	
SICLOCK support	Yes
protocol / is supported	
• NTP	Yes
• SNTP	Yes
IEEE 1588 profile default	No
standards, specifications, approvals	

standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
<ul> <li>for safety / from CSA and UL</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1
for emitted interference	EN 61000-6-4:2007 (Class A)
for interference immunity	EN 61000-6-2:2005
MTBF	40 y
standards, specifications, approvals / CE	TO Y
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environn	
standard / for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
from CSA and UL	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
certificate of suitability	
<ul> <li>CCC / for hazardous zone according to GB standard</li> </ul>	Yes
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
• C-Tick	Yes
<ul> <li>KC approval</li> </ul>	Yes
<ul> <li>railway application in accordance with EN 50155</li> </ul>	No
standards, specifications, approvals / marine classificatio	n
Marine classification association	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
• French marine classification society (BV)	Yes
<ul> <li>Det Norske Veritas (DNV)</li> </ul>	No
Germanische Lloyd (GL)	No
• DNV GL	Yes
<ul> <li>Korean Register of Shipping (KRS)</li> </ul>	Yes
<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	Yes
<ul> <li>Royal Institution of Naval Architects (RINA)</li> </ul>	No
further information / internet-Links	
Internet-Link	
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	http://www.siemens.com/tia-selection-tool
• to website: Industrial communication	http://www.siemens.com/simatic-net
<ul> <li>to website: Industry Mall</li> </ul>	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
<ul> <li>to website: Image database</li> </ul>	http://automation.siemens.com/bilddb
<ul> <li>to website: CAx-Download-Manager</li> </ul>	http://www.siemens.com/cax
<ul> <li>to website: Industry Online Support</li> </ul>	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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