## SIEMENS

## Data sheet

## 6GK5532-2SR00-3AR3

SCALANCE XR524-8WG; managed IE switch, 19" rack; 24x 10/100/1000 Mbps RJ45 port; 8x 1G/10G SFP+ port; LED diagnostics; select/set button; PROFINET IO device, network management, integrated redundancy manager, office features (RSTP, VLAN, IGMP,...) CPL not included in scope of delivery; power supply 1x 230 V AC; layer 3 integrated; layer 3 integrated;



product type designation	
product brand name	SCALANCE
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s
interfaces / for communication / integrated	
number of electrical connections	
<ul> <li>for network components or terminal equipment</li> </ul>	32
number of 10/100/1000 Mbit/s RJ45 ports	24; RJ45
number of electrical connections	
• for SFP+	8
interfaces / other	
number of electrical connections	
<ul> <li>for operator console</li> </ul>	1
<ul> <li>for power supply</li> </ul>	1
type of electrical connection	
<ul> <li>for operator console</li> </ul>	USB (2.0 Port, Type B, serial via USB)
<ul> <li>for power supply</li> </ul>	IEC plug C14 AC supply
design of the removable storage	
• CLP	Yes
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	No
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>	100V 250V DC
<ul> <li>power loss [W] / 1 / rated value</li> </ul>	99 W
<ul> <li>supply voltage / 1 / rated value</li> </ul>	77 300 V
<ul> <li>consumed current / 1 / maximum</li> </ul>	0.8 A
<ul> <li>type of electrical connection / 1 / for power supply</li> </ul>	2-pole terminal block
<ul> <li>product component / 1 / fusing at power supply input</li> </ul>	Yes
<ul> <li>fuse protection type / 1 / at input for supply voltage</li> </ul>	F 4A / 250 V
type of voltage / 2 / of the supply voltage	AC (50 / 60Hz)
<ul> <li>supply voltage / 2 / rated value</li> </ul>	240 V; 100V 240V AC
<ul> <li>power loss [W] / 2 / rated value</li> </ul>	99 W
<ul> <li>supply voltage / 2 / rated value</li> </ul>	85 264 V
<ul> <li>consumed current / 2 / maximum</li> </ul>	0.8 A
• type of electrical connection / 2 / for power supply	C14, IEC plug
<ul> <li>fuse protection type / 2 / at input for supply voltage</li> </ul>	F 4A / 250 V
ambient conditions	
ambient temperature / in horizontal mounting position / during operation	0 60 °C

relative humidify <ul> <li>at 25 °C / without condensation / during operation / maximum</li> <li>protection class IP</li> <li>IP20</li> <li>design, dimensions and weights</li> <li>IP20</li> <li>design, dimensions and weights</li> <li>IP30</li> <li>design, dimensions and weights</li> <li>IP30</li> <li< th=""><th>installation altitude / at height above sea level / maximum</th><th>3000 m</th></li<></ul>	installation altitude / at height above sea level / maximum	3000 m
• a12 T C1 / withou condensation / during operation / maximum         95 %           protection class IP         IP20           design, dimensions and weights         97 rack           number of modular height units / relating to 19-inch cabinet         1           width         448 mm           height         37.8 mm           ent weight         62.90           matter of modular height problem         62.90           matterI/ of the enclosure         metal           fastering method         Yes           • 19-inch installation         Yes           • 19-inch installation         Yes           • 19-inch installation         Yes           • 20142 (Satures, product functions, product components / promot)         cacacading in the class of and undratent ring / at reconfiguration           cacacading in the class of stat topology         any (depending only on signal propagation time)           number of advantatically isemable MAC addresses         16382           product functions         regending the class of stat topology         any (depending only on signal propagation time)           unmber of advantatically isemable MAC addresses         16382         interf si-signal           roubust functions         regending the class of stat topology         Yes           product functions         Yes		
maximum         P2D           design         19"rack           number of moduler height units / relating to 19-inch cabinet         1           width         446 mm           height         374.8 mm           design         374.8 mm           material of the enclosure         metal           material of the enclosure         metal           in Sinch Installation         Yes           stating method         50           inter di-0.53-es         are (depending only on signal propagation time)           number of automaticity learnable MAC addresses         16382           number of automaticity learnable         Yes           product functions         Ymanagement           • CL1         Yes           • web-based management         Yes	-	95 %
design         19' rack           number of modular height units / relating to 19-inch cabinet         1           width         446 mm           height         436 mm           desph         374.8 mm           net weight         6.2 kg           material / of the enclosure         metal           fastening method         Yes           ordurt fastures, product fastures, product components / general         50           cascading in the case of a redundant ring / at reconfiguration         50           material / of automatically learnable MAC addresses         18382           number of automatically learnable         Yes           product function         Yes           extres & Forward switching method         Yes           weib-based management         Yes	÷ .	
design     19' rack       number of modular height units / relating to 19-inch cabinet     1       width     446 mm       height     43.6 mm       depth     37.4 8 mm       net weight     6.2 kg       material / of the enclosure     metal       fastening method     Yes       yroduct fastlation     Yes       yroduct fastlation     Yes       yroduct fastlation     S0       cascading in the case of a redundant fing / at reconfiguration     50       cascading in cases of star topology     any (depending only on signal propagation time)       number of automatically learnable MAC addresses     16382       product function     Yes       • CUI     Yes       product function     Yes       • CUL     Yes       verbased management.     Yes       • TRAPs via email     Yes       • configuration with STEP 7     Yes       • RMON     Yes       • PROFINET to diagnosis     Yes       • PROFINET to diagnosis     Yes       • PROFINET to diagnosis     Yes       • PROFINET to d	·	IP20
number of modular height units / relating to 19-inch cabinet         1           width         446 mm           height         37.4 8 mm           depth         37.4 8 mm           net weight         8.2 kg           material / of the endosure         metal           fastening method         •           • 13-inch instalation         Yes           product factures, product functions, product components / general         50           casscading in the case of a redundent ring / at reconfiguration         50           imme of -0.3 -0.3 -s         60           casscading in the case of a redundent ring / at reconfiguration         50           number of QoS queues / per port         8           product function         6082           number of QoS queues / per port         8           e Store & Forward switching method         Yes           product function         Yes           product function         Yes           offul function         Yes           e Col S according to IEEE 802.10         Yes           product functions         Yes           product functions         Yes           e Col I         Yes           e Col I         Yes           e configuration with STE	design, dimensions and weights	
width     446 mm       height     43.6 mm       depth     374.8 mm       net weight     8.2 kg       material / of the endosure     metal       fastening method     8.2 kg       • 19-inch installation     Yes       product fasturial, product functions, product components / general     50       cascading in the case of a redundent ring / at reconfiguration     50       number of automatically learnable MAC addresses     16382       product function     Yes       product function     Yes       e Coll     Yes       velobased management     Yes       <		
height     43.6 mm       depth     37.8 mm       net weight     8.2 kg       metrail / of the enclosure     metal       fastening method     retal       e19-inch installation     Yes       product factures, product functions, product component/ general     scascading in the case of a red-induct ring / at reconfiguration       cascading in the case of a red-induct ring / at reconfiguration     50       rumber of automatically learnable MAC addresses     16382       number of automatically learnable MAC addresses     16382       product function     Yes       order & Forward switching method     Yes       yroduct function     Yes       off MB support     Yes       onfiguration with STEP 7     Yes       vexb-based management     Yes       onfiguration with STEP 7     Yes       vexb     PROFINET IC diagnosis       yes     Yes       e configuration with STEP 7     Yes       vexb     PROFINET Confagnosis       yes     Yes       e protint infording     Yes       PROFINET Confagnosis     Yes		1
deph     374.8 mm       net weight     62.2 kg       material / of the enclosure     metal       fastening method     Yes       • 19-inch installation     Yes       product fautures, product functions, product component / general     50       cascading in the case of a redundant ring / at reconfiguration     50       ime of <-0.3-%s	width	446 mm
net weight     8.2 kg       material / of the enclosure     metal       fastening method     retail       • 19-inch installation     Yes       product factures, product functions, product components / general     50       cascading in the case of a redundant ring / at reconfiguration     50       rumber of automatically learnable MAC addresses     16382       number of QoS queues / per port     8       product function     • 0.05 according to IEEE 802.1Q     Yes       product function     • 0.05 according to IEEE 802.1Q     Yes       product function     • Ves     *       product function     Yes     *       product function     Yes     *       • OS according to IEEE 802.1Q     Yes     *       product function     Yes     *       product function     Yes     *       • Web based management     Yes     *       • WB support     Yes     Yes       • NIB support     Yes     *       • NMON     Yes     *       • onfiguration with STEP 7     Yes       • NMON     Yes       • outifuitorint introring     Yes       • outifuitorint introring     Yes       • outifuitorint introring     Yes       • DROFINET conformity class     B	height	43.6 mm
material / of the enclosure         metal           fastening method         -           • 19-In-thin issultation         Yes           product features, product components / general         50           cascading in the case of a redundant ring / at reconfiguration         50           number of auxomatically learnable MAC addresses         16382           number of QoS queues / per port         8           product function         -           • O Go Sacording to IEEE 802.10         Yes           product function         -           • O Sacording to IEEE 802.10         Yes           product functions         Yes           product functions         Yes           product functions         realizations           • O Sacording to IEEE 802.10         Yes           product functions         Yes           product functions         Yes           ording under Sacording to IEEE 802.10         Yes           product functions         Yes           product functions         Yes           istor & Forward switching method         Yes           outignation with STEP 7         Yes           • ORD in mirroring         Yes           • ORD in mirroring         Yes           • ORD in	depth	
fastening method     Yes       of 9-inch installation     Yes       product factures, product fonctions, product components / general     50       cascading in the case of a redundant ring / at reconfiguration     50       number of automatically learnable MAC addresses     16382       number of automatically learnable MAC addresses     16382       number of automatically learnable MAC addresses     16382       number of QoS queues / per port     8       product facture     6       e Store & Forward switching method     Yes       product function     -       o Los according to IEEE 802.10     Yes       product functions / management, configuration, engineering     -       product functions / management, configuration, engineering     -       product function     -       o CL     Yes       • NIB support     Yes       • NIB support     Yes       • RMON     Yes       • endiguration with STEP 7     Yes       • NIM N     Yes       • PROFINET IO diagnosis     Yes       • ROPINET configuration     -       • Reporting on PROFINET     3       telegram length / for Ethemet / maximum     9194 byte       protocol //s supported     Yes       • FITP     Yes       • HTTPS     Yes	net weight	8.2 kg
• 10-Inch installation       Yes         product factures, product functions, product components / general       cascading in the case of a redundant ring / at reconfiguration         time of <		metal
product features, product functions, product components / general         50           cascading in the case of a redundant ring / at reconfiguration time of <-0.3% -s	-	
cascading in the case of a redundant ring / at reconfiguration lime of <<-0.3x-s		
time of <-0.3i-s		
number of automatically learnable MAC addresses     16382       number of QoS queues / per port     8       product function	time of <\~0.3\~s	
number of QoS queues / per port     8       product function     Yes       product functions / management, configuration, engineering     Yes       product functions / management, configuration, engineering     Yes       product functions / management, configuration, engineering     Yes       or CLI     Yes       or CLI     Yes       • Web-based management     Yes       • MB support     Yes       • TRAPs via email     Yes       • configuration with STEP 7     Yes       • NMON     Yes       • port mirroring     Yes       • Dott functions / management     Yes       • TRAPs via email     Yes       • Configuration with STEP 7     Yes       • NMON     Yes       • port mirroring     Yes       • Dott mirroring     Yes       • PROFINET IO diagnosis     Yes       • PROFINET conformity class     B       network load class / according to PROFINET     3       telegram length / for Ethernet / maximum     9194 byte       protocol / is supported     Yes       • TFTP     Yes       • HTTPS     Yes       • FFTP		
product function         Ves           orduct feature         Ves           orduct feature         Ves           product functions / management, configuration, engineering         Ves           product function         Yes           • CLI         Yes           • web-based management, configuration, engineering         Yes           • MIB support         Yes           • MIB support         Yes           • TRAPs via email         Yes           • ordiguration with STEP 7         Yes           • RMON         Yes           • port mirroring         Yes           • PROFINET IO diagnosis         Yes           • switch-managed         Yes           • PROFINET IO diagnosis         Yes           • switch-managed         Yes           • PROFINET IO diagnosis         B           • network load class / according to PROFINET         3           telegram length / for Elnemet / maximum         9194 byte           protocol / is supported         Yes           • FTIP		
• QoS according to IEEE 802.1Q         Yes           product feature         -           • Store & Forward switching method         Yes           product functions / management, configuration, engineering         -           • CLI         Yes           • web-based management         Yes           • web-based management         Yes           • moduct function         Yes           • TRAPs via email         Yes           • configuration with STEP 7         Yes           • RMON         Yes           • port mirroring         Yes           • multiport mirroring         Yes           • coS         Yes           • PROFINET IO diagnosis         Yes           • switch-managed         Yes           PROFINET conformity class         B           network load class / according to PROFINET         3           telegram length / for Ethernet / maximum         9194 byte           protocol / is supported         Yes           • TFIP         Yes           • FTP         Yes           • FTP <td< td=""><td></td><td>8</td></td<>		8
product feature• Store & Forward switching methodYesproduct function•• CLIYes• web-based managementYes• MIB supportYes• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• port mirroringYes• multiport mirroringYes• NONYes• PROFINET IO diagnosisYes• switch-managedYesPROFINET IO diagnosisYes• retwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• HTTPYes• TFIPYes• FTPYes• FTPYes• FTPYes• FTPYes• NETCONFYes• NoYes		
Store & Forward switching methodYesproduct functionproduct functionYes• CLIYes• web-based managementYes• MIB supportYes• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• port mirroringYes• nultiport mirroringYes• CoSYes• Store & Jacobi (Sage)Yes• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• HTTPYes• HTTPYes• FTPYes• FTPYes• SFTPYes• BOOTPYes• NETCONFNo		Yes
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           • RMON         Yes           • port mirroring         Yes           • multiport mirroring         Yes           • CoS         Yes           • PROFINET IO diagnosis         Yes           • switch-managed         Yes           PROFINET conformity class         B           network load class / according to PROFINET         3           telegram length / for Ethemet / maximum         9194 byte           protocol / is supported         Yes           • HTTP         Yes           • HTTPS         Yes           • FTP         Yes           • FTP         Yes           • FTP         Yes           • SFTP         Yes           • BOOTP         Yes           • NETCONF         No		
product function <ul> <li>CLI</li> <li>web-based management</li> <li>Yes</li> <li>MIB support</li> <li>Yes</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>Yes</li> <li>RMON</li> <li>yes</li> <li>port mirroring</li> <li>Yes</li> <li>multiport mirroring</li> <li>Yes</li> <li>PROFINET IO diagnosis</li> <li>Yes</li> <li>switch-managed</li> <li>PROFINET conformity class</li> <li>network load class / according to PROFINET</li> <li>telegram length / for Ethernet / maximum</li> <li>p194 byte</li> <li>protocol / is supported</li> <li>TEINEX</li> <li>Yes</li> <li>TFTP</li> <li>Yes</li> <li>SFTP</li> <li>BOOTP</li> <li>No</li> </ul> <li>No</li>	-	Yes
• CLIYes• web-based managementYes• MIB supportYes• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• port mirroringYes• nutliport mirroringYes• CoSYes• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• HTTPYes• HTTPYes• FTPYes• FTPYes• FTPYes• FTPYes• SFTPYes• BOOTPYes• NETCONFFNo		
• web-based managementYes• MIB supportYes• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• port miroringYes• port miroringYes• coSYes• RNOFINET IO diagnosisYes• RNOFINET IO diagnosisYes• SWIth-managedYesPROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TEInetYes• HTTPYes• HTTPYes• FTPYes• FTPYes• FTPYes• SFTPYes• SFTPYes• NETCONFNo		N
• MIB supportYes• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• HTTPYes• HTTPYes• FIPYes• FTPYes• FTPYes• SFTPYes• NETCONFNo		
• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• Switch-managedYesPROFINET conformity classBretwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TelnetYes• HTTPYes• FTPYes• FTPYes• FTPYes• SFTPYes• NETCONFNo	-	
• configuration with STEP 7Yes• RMONYes• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBretwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes• FTFPYes• FTPYes• FTPYes• SFTPYes• NETCONFNo		
• RMONYes• pott mirroringYes• multiport mirroringYes• COSYes• PROFINET IO diagnosisYes• switch-managedYes• PROFINET conformity classBretwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TelnetYes• HTTPSYes• HTTPSYes• FTFPYes• FTFPYes• SFTPYes• SFTPYes• NETCONFNo		
• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• switch-managedYes• PROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes• FTPYes• FTPYes• FTPYes• SFTPYes• BOOTPYes• NETCONFFNo		
<ul> <li>multiport mirroring</li> <li>Yes</li> <li>CoS</li> <li>PROFINET IO diagnosis</li> <li>switch-managed</li> <li>Yes</li> <li>PROFINET conformity class</li> <li>Retwork load class / according to PROFINET</li> <li>3</li> <li>telegram length / for Ethernet / maximum</li> <li>9194 byte</li> <li>protocol / is supported</li> <li>Telnet</li> <li>Yes</li> <li>HTTP</li> <li>Yes</li> <li>HTTPS</li> <li>Yes</li> <li>TFTP</li> <li>Yes</li> <li>SFTP</li> <li>SFTP</li> <li>SFTP</li> <li>NETCONFF</li> <li>No</li> </ul>		
• CoSYes• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes• FTPYes• FTPYes• FTPYes• SFTPYes• BOOTPYes• NETCONFNo	· •	
• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes• FTPYes• FTPYes• SFTPYes• SFTPYes• BOOTPYes• NETCONFNo		
• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes• FTPYes• FTPYes• SFTPYes• SFTPYes• BOOTPYes• NETCONFNo		
PROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supported• TelnetYes• HTTPYes• HTTPSYes• FTFPYes• FTFPYes• FTPYes• SFTPYes• SFTPYes• NETCONFNo	C C	
network load class / according to PROFINET3telegram length / for Ethernet / maximum9194 byteprotocol / is supported• TelnetYes• HTTPYes• HTTPSYes• FTPYes• FTPYes• SFTPYes• SFTPYes• NETCONFNo		
telegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes• TFTPYes• FTPYes• SFTPYes• BOOTPYes• NETCONFNo		
protocol / is supported• TelnetYes• HTTPYes• HTTPSYes• HTTPSYes• TFTPYes• FTPYes• SFTPYes• BOOTPYes• NETCONFNo		
TelnetYesHTTPYesHTTPSYesTFTPYesFTPYesSFTPYesBOOTPYesNETCONFNo		
• HTTP       Yes         • HTTPS       Yes         • TFTP       Yes         • FTP       Yes         • SFTP       Yes         • BOOTP       Yes         • NETCONF       No		Yes
HTTPSYes•TFTPYes•FTPYes•SFTPYes•BOOTPYes•NETCONFNo		
• TFTPYes• FTPYes• SFTPYes• BOOTPYes• NETCONFNo		
• FTPYes• SFTPYes• BOOTPYes• NETCONFNo		
• SFTPYes• BOOTPYes• NETCONFNo		
BOOTP Yes     No		
• NETCONF No		
	• GMRP	Yes
• DCP Yes	• DCP	Yes
• LLDP Yes	• LLDP	Yes
• EtherNet/IP Yes	• EtherNet/IP	Yes
• SNMP v1 Yes	• SNMP v1	Yes
• SNMP v2 Yes	• SNMP v2	Yes
• SNMP v3 Yes	• SNMP v3	Yes
IGMP (snooping/querier) Yes	IGMP (snooping/querier)	Yes
identification & maintenance function	identification & maintenance function	
• I&M0 - device-specific information Yes		Yes
I&M1 - higher level designation/location designation     Yes	<ul> <li>I&amp;M1 - higher level designation/location designation</li> </ul>	Yes

product functions / diagnostics	
product function	
port diagnostics	Yes
statistics Packet Size	Yes
statistics packet type	Yes
error statistics	Yes
• SysLog	Yes
product functions / VLAN	
product function	Ver
VLAN - port based	Yes
VLAN - protocol-based	Yes
• VLAN - IP-based	Yes
VLAN dynamic	Yes
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP; standby link)	257
product functions / DHCP	
product function	
	Vec
DHCP server	Yes
DHCP client	Yes
DHCP Option 82	Yes
DHCP Option 66	Yes
DHCP Option 67	Yes
product functions / routing	
service / routing / note	IP routing integrated
product function	
static IP routing	Yes
<ul> <li>static IP routing IPv6</li> </ul>	No
<ul> <li>dynamic IP routing</li> </ul>	Yes
<ul> <li>dynamic IP routing IPv6</li> </ul>	No
protocol / is supported	
RIPv2	Yes
RIPnG for IPv6	No
OSPFv2	Yes
OSPFv3 for IPv6	No
• VRRP	Yes
VRRP for IPv6	No
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
• media redundancy protocol (MRP) with redundancy	Yes
manager	Vec
Media Redundancy Protocol Interconnection (MRP-I)     of the REOFINIET IO device (in supported (REOFINIET)	Yes
<ul> <li>of the PROFINET IO device / is supported / PROFINET system redundancy</li> </ul>	Yes
<ul> <li>ring redundancy</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
redundancy procedure STP	Yes
redundancy procedure RSTP	Yes
redundancy procedure RSTP+	Yes
redundancy procedure MSTP	Yes
passive listening	Yes
protocol / is supported	
LACP	Yes
LACP system modification during operation	
	Vec
product function / configuration in RUN via CiR/H-CiR	Yes
product functions / security	
product function	

• IEEE 802 1v (radius)	Yes
<ul> <li>IEEE 802.1x (radius)</li> <li>broadcast/multicast/unicast limiter</li> </ul>	Yes
broadcast blocking	Yes
protocol / is supported	
• SSH	Yes
• SSL	Yes
product functions / time	
product function	
	Yes
SICLOCK support     NTP-client	Yes
SNTP client	Yes
	Yes
IEEE 1588 v2 transparent forwarding	res
protocol / is supported	Vec
• NTP	Yes
• SNTP	Yes
accuracy / at IEEE 1588 v2	400
not less than	100 µs
• typical	50 ns
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
<ul> <li>KC approval</li> </ul>	Yes
<ul> <li>Regulatory Compliance Mark (RCM)</li> </ul>	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
<ul> <li>for EMC interference emission</li> </ul>	EN 61000-6-4, EN 50121-9
<ul> <li>for immunity to EMC</li> </ul>	EN 61000-6-2, EN 50121-4
<ul> <li>for safety / from CSA and UL</li> </ul>	in preparation
standards, specifications, approvals / other	
certificate of suitability	
<ul> <li>railway application in accordance with EN 50121-4</li> </ul>	Yes; use only in areas not accessible to the public
<ul> <li>railway application in accordance with EN 50125-3</li> </ul>	Yes
RoHS conformity	Yes
resistance to air pollution / conformity according to ANSI/ISA- 71.04	Yes
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
product functions / general	
MTBF	8.3 a
reference temperature / for MTBF determination	40 °C
reference code	
<ul> <li>according to IEC 81346-2</li> </ul>	KF
<ul> <li>according to IEC 81346-2:2019</li> </ul>	KFE
Warranty period	5 a
further information / internet links	
internet link	
to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/de/view/109766358
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	https://www.siemens.com/tstcloud
to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com/
to website: Image database	https://www.automation.siemens.com/bilddb
to website: CAx-Download-Manager	https://www.siemens.com/cax
to website: CAX-Download-Manager     to website: Industry Online Support	https://support.industry.siemens.com
security information	interse apport industry signification of the second s
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is peressary and only when appropriate security measures (e.g. firewalls and/or
	necessary and only when appropriate security measures (e.g. firewalls and/or

network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

## Approvals / Certificates

General Product Approval



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