## SIEMENS

## Data sheet

## 6GK5334-2TS00-3AR3

SCALANCE XR326-8; managed layer 2; IE switch, 19" rack; 24x 100/1000 Mbps RJ45 port; 2x 1G/2.5G/5G/10 Gbps RJ45 8x 1G/10G SFP+ port; LED diagnostics; error signaling contact; select/set button; PROFINET IO device; network management; integrated redundancy manager; office features (RSTP, VLAN, IGMP,...); CLP included in scope of supply; power supply 230 V AC;



product type designation			
product brand name	SCALANCE		
transfer rate			
transfer rate	10, 100, 1000 Mbit/s		
transfer rate	2.5, 5, 10 Gbit/s		
interfaces / for communication / integrated			
number of electrical connections			
<ul> <li>for network components or terminal equipment</li> </ul>	26; RJ45		
number of 10/100/1000 Mbit/s RJ45 ports			
with securing collar	26		
number of 1000/2500/5000/10000 Mbps RJ45 ports / with securing collar	2		
number of electrical connections			
• for SFP+	8; 1000 Mbps and 10000 Mbps SFP usable		
interfaces / other			
number of electrical connections			
<ul> <li>for operator console</li> </ul>	1		
<ul> <li>for signaling contact</li> </ul>	1		
• for power supply	1		
type of electrical connection			
<ul> <li>for operator console</li> </ul>	USB (2.0 Port, Type B, serial via USB)		
<ul> <li>for signaling contact</li> </ul>	2-pole terminal block		
for power supply	IEC plug C14 AC supply or 2-pole terminal block for DC supply		
design of the removable storage			
• CLP	Yes		
operating voltage / of the signaling contacts			
• at AC / rated value	24 V		
• 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	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		



• les potection type / / 1 at input for uppy voltage         FA / 280 /           • popy voltage / 2 / 1 at is uppy voltage         AC (50 / 001c)           • owner los (7) / 2 / rad value         280 / 100 / 200 /           • owner los (7) / 2 / rad value         280 /           • owner los (7) / 2 / rad value         280 /           • owner los (7) / 2 / rad value         280 /           • owner los (7) / 2 / rad value         280 /           • owner los (7) / 2 / rad value         280 /           • owner los (7) / 2 / rad value         280 /           • owner los (7) / 2 / rad value         280 /           • owner los (7) / 2 / rad value         280 /           • owner los (7) / 2 / rad value         280 /           • owner los (7) / 2 / rad value         280 /           • owner los (7) / 2 / rad value         280 /           • owner los (7) / 2 / rad value         280 /           • owner los (7) / 2 / rad value         280 /           • and los (7) / 2 / rad value         280 /           • and los (7) / 2 / rad value         280 /           • and los (7) / 2 / rad value         280 /           • and los (7) / 2 / rad value         280 /           • and los (7) / 2 / rad value         280 /           • and los (7) / 2 / rad value         280 /						
• equipy voltage 12 and value240 V, 110V - 240V AC• excert tors NV 2 and value60 W• excert tors NV 2 and value60 W• excert tors NV 2 and value61 A• tors protection type 12 and value61 A• tors protection type 12 and value64 A• tors protection type 12 and value64 A• tors protection type 12 and value74 A• and excert temperature 1 and value </td <td></td> <td>F 4A / 250 V</td>		F 4A / 250 V				
• over los (ly/2 rand value)9 W• support value (rand rand rand rand rand rand rand rand	type of voltage / 2 / of the supply voltage	AC (50 / 60Hz)				
sequence outwain 27 and value85 – 284 V• sequence outwain 27 and point for supply voltageFAA / 280 V• and extention type 27 at input for supply voltageFAA / 280 V• and extent control 27 at any for supply voltageFAA / 280 V• and extent control 10 information outwain position 7 during operation object to any for supply voltageFAA / 280 V• and extent control 10 information of during operation of during operation of the operating information being in transcrives, see operating controls in the operating information of during operation of the operating information of during operation• et al. 27 ( virbuit condensation / during operation of the specific during operating controls in failess operation98 %• et al. 27 ( virbuit condensation / during operation of the information being information of during operating controls in failess operation98 %• et al. 27 ( virbuit condensation / during operation of the information of during operating controls in failess operation98 %• et al. 27 ( virbuit condensation / during operation of the information of during operation of the operating controls in failess operation98 %• et al. 10 (10 the endosure10 (10 the add• registing dimensions and weights40 orm• et al. 10 (10 the information of the information o	<ul> <li>supply voltage / 2 / rated value</li> </ul>	240 V; 110V 240V AC				
• 08 A• Nye of electrical consolution 21 for power supply• Nye of electrical consolution 21 for power supply• Adv 250 VAmbient consistence in horizontal mounting position 4 and inrelative constitutions• and and the phase sea level / maximum• relative constitutions in the specialized phase sea level / maximum• relative constitutions of during operation (during operation (during operation))• relative humidity• relative constitutions in during operation (during operation)• relative humidity• relative constitutions and avelptation• relative constitution (during operation)• relative constitution)• relative constitutio	<ul> <li>power loss [W] / 2 / rated value</li> </ul>	99 W				
• A page of electrical connection 1/2 / ter power supply electrical connection to per 12 / at input for supply voltageC14, LEC plug FAA / 280 Vambient temperature / in hockental mounting position / during ejectricalFAA / 280 Vantistical temperature / in hockental mounting position / during ejectrical3000 mrestation altitude / at height above sea level / maximum3000 mrestation altitude / at height above sea level / maximum3000 mrestation altitude / at height above sea level / maximum3000 mrestation altitude / at height above sea level / maximum3000 mrestation altitude / at height above sea level / maximum3000 mrestation altitude / at height above sea level / maximum3000 moperating condition / faniless operationYasoperating condition / faniless operation19/1ch nackunter of modular height units / relating to 19-inch cabint1design19-inch nackrestation (honking upperation / 2000 m74.8 mmrestation (honking up	<ul> <li>supply voltage / 2 / rated value</li> </ul>	85 264 V				
• Ray protection type / 2 / at input for supply voltage         F 4.4 / 260 V           Inhibited conditions	<ul> <li>consumed current / 2 / maximum</li> </ul>	0.8 A				
ambient conditions         25         -400 °C. Starting at -25 °C. The maximum ambient temperature during operation depends on the operating height and the plug in transceives, used also natural.           installation althods / at height above sea level / maximum         2000 m           relative humans         2000 m           relative humans         2000 m           relative humans         2000 m           relative humans         2000 m           operating condition / fainting operation /         96 %           operating condition / fainting operation         Yes           product fainting to relating to 19 -mot cacinet         1           within         440 mm           height         82 kg           operating method         Yes           operating condition ing / at reconfiguration         50           cascading in the cacinet         Yes           opolact function         Yes	<ul> <li>type of electrical connection / 2 / for power supply</li> </ul>	C14, IEC plug				
ambient temperature /in horizontal mounting position / during pertainan         -25+40 °C, Starling 4-25 °C, The maximum ambient temperature during also manual.           relative / at height above sea level / maximum         3000 m           relative humidity         96 %           maximum         9000 m           operating condition / funkes operation / protection class IP         96 %           protection class IP         1920           design, dimensions and weights         96 %           operating condition / funkes operation         Yes           protection class IP         1920           design, dimensions and weights         436 mm           design, dimensions and weights         82 kg           material / 0 the endosure         media           fastering in case of set ropology         and (depth)           descript, diverse of the condosure         50           material / 0 the endosure         50           ecaseding in the case of a redundent ting / at reconfiguration inter of x-0.3×e         50           roduet fastering method         50           ordus fastering in cases of set ropology         any (depending only on signal propagation time)           number of condosure         fastering row of x-0.3×e           caseading in the case of a redundent time / at reconfiguration in the of x+0.3×e         fastering r	<ul> <li>fuse protection type / 2 / at input for supply voltage</li> </ul>	F 4A / 250 V				
operation depends on the operatic depends on the operation depends on the operation depends on the	ambient conditions					
relative humidity e at 25 °C / who condensation / during operation / operating condition / famies operation / protection class IP ge20 design // gean family		operation depends on the operating height and the plug-in transceivers, see				
• 12 5 °C / without condensation / during operation / maximum95 %optection class IPVosprotection class IPP00design / dimotions and weights1design / dimotions and weights446 mmwith446 mmheight / dimotions and weights37.48 mmdesign / dimotions and weights82.8 %material / of the enclosure82.8 %material / of the enclosureweightnet weight82.8 %net weight82.8 %fastering methodYesordout fastering on strong / second / s	installation altitude / at height above sea level / maximum	3000 m				
operating condition / familess operation         Yes           protection class IP         IP20           design         design classions and wolphs         IP20           design classions and wolphs         1         IP20           design classions and wolphs         1         IP20           design classions and wolphs         1         IP20           with         446 mm         IP20           height         42.6 mm         IP20           ret weight         82.8 kg         IP20           instaining mithod         Yes         IP20           istering mithod         Yes         IP20           instaining mithod         Yes         IP20           instaining mithod         Yes         IP20           instaining mithod         Yes         IP20           instaining incases of star topology         any (depending only on signal propagation time)           number of automatically learnable MAC addresses         IP202         IP20           ooOs according to IEEE 802 10         Yes         Yes           orOduct function         Yes         IP20           orOduct function in management         Yes         IP20           iconfiguration with STEP 7         Yes         Yes	• at 25 °C / without condensation / during operation /	95 %				
production class IP         IP20           design, dimensions and weights         I9:nch rack           number of modular height units / relating to 19:inch cabinet         1           height         43.6 mm           height         37.4 8 mm           height         22 kg           material / of the enclosure         metail           istaening method         istaening method           istaening method         Yes           product floatures, product functions, product components / yes         generation           cascading in the cass of a roundant ring / at reconfiguration         fso           number of automatically learnable MAC addresses         16382           number of QoS queues / per port         8           ordurt function         Yes           product function         Yes           ordure function         Yes		Yes				
design       19-inch rack         number of modular height units / relating to 19-inch cabinet       1         width       446 mm         height       43.6 mm         degth       37.4 8 mm         net weight       82 kg         material / of the enclosure       metal         fastening method       Yes         opduct factures, product functions, product components / general       50         cascading in the case of a redundant ring / at reconfiguration met of -40.3 vs-s       50         cascading in the case of a redundant ring / at reconfiguration met of -40.3 vs-s       50         cascading in the case of star topology       any (depending only on signal propagation time)         number of automatically learnable MAC addresses       10382         product function       7         ves       yes         web-basad management       Yes <td></td> <td></td>						
design     19-linch rack       number of modular height units / relating to 19-inch cabinet     1       width     446 mm       height     436 mm       depth     374.8 mm       net weight     8.2 kg       material / of the enclosure     metal       fastening method     Yes       product floatures, product functions, product component / general     general       cascading in the case of a redundant fing / at reconfiguration     50       mme of automatically learnable MAC addresses     16382       number of automatically learnable MAC addresses     16382       product functions     Yes	•					
number of modular height units / relating to 19-inch cabinet         1           width         446 mm           height         33.6 mm           reppth         374.8 mm           net weight         82.kg           material / of the enclosure         metal           1 Si-choit Installation         Yes           product features, product functions, product components / general         50           cascading in the case of a redundant ring / at reconfiguration         50           met of <-0.3 si-6		19-inch rack				
width     446 mm       height     436 mm       height     436 mm       net weight     82 kg       raterial of the enclosure     metal       fastening method     metal       • 19-inch installation     Yes       product foatures, product functions, product components / general     50       cascading in the case of a retropology     any (depending only on signal propagation time)       number of automatically learnable MAC addresses     16382       number of automatically learnable MAC addresses     16382       number of CoS queues / per port     8       product function     Yes       • OoS according to IEEE 802:10     Yes       product function     Yes       • CLI     Yes       veb-based management, configuration, engineering     Yes       product function     Yes       • CLI     Yes       • NRMON     Yes       • Store & Forward switching method     Yes       • Store & Forward switching method     Yes       • Dignation with STEP 7     Yes       • RMON     Yes       • SMTP server     No       • Soft function     Yes       • Encapsulated Remote Traffic Mirroring (ERTM)     Yes       • Encapsulated Remote Traffic Mirroring (ERTM)     Yes       • En						
height     43.6 mm       depth     374.8 mm       netweight     8.2 kg       material / of the enclosure     metal       fastening method						
depth     374.8 mm       net weight     8.2 kg       material / of the enclosure     metal       fastening method     Yes       • 19-inch instalation     Yes       product fastures, product components / general     cascading in the case of a redundant ring / at reconfiguration     50       cascading in cases of star topology     any (depending only on signal propagation time)     1000000000000000000000000000000000000						
net weight     8.2 kg       material / of the enclosure     metal       fastening method     metal       isatening method     Yes       product fastures, product functions, product components / general     cascading in the case of a redundant ring / at reconfiguration     50       cascading in the case of a redundant ring / at reconfiguration     50     any (depending only on signal propagation time)       number of QoS queues / per port     8     product function     68       product function     IEEE 802.1Q     Yes       product function     Yes     product function     70       o CoS according to IEEE 802.1Q     Yes     Yes       product function     Yes     product function     Yes       product function     CLI     Yes       o CoS according to IEEE 77     Yes       ording runnow of autoriation, engineering     Yes       product function     Yes       • CLI     Yes       • web-based management     Yes       • CRAPS via email     Yes       • CRAPS via email     Yes       • Encapsulated Remote Traffic Mirroring (ERTM)     Yes       • PROFINET IO diagnosis     Yes						
metal         metal           fastening method         Yes           • 13-inch installation         Yes           product features, product functions, product components / general         50           cascading in the case of a redundant ring / at reconfiguration fine of +-0.3x-s         50           cascading in cases of star topology         any (depending only on signal propagation time)           number of automatically learnable MAC addresses         116382           number of QS queues / per port         8           product function         8           ocos according to IEEE 802.10         Yes           product function         Yes           ordure 4 automatically learnabed MAC addresses         116382           product function         Yes           ordure 4 automatically learnabed MAC         Yes           product function         Yes           ordure 4 automatically method         Yes           product function         Yes           ordure 5 are forward switching method         Yes           exact function         Yes           ordifiguration with STEP 7         Yes           exact function         Yes           start Ps sever         No           optimizer funconing         Yes           e						
fastening method       Yes         product fastures, product functions, product components / general       Gacading in the case of a redundant ring / at reconfiguration it with a sess of stropology       any (depending only on signal propagation time)         number of automatically learnable MAC addresses       16382         number of QoS queues / per port       8         product function       Yes         ordust feature       Yes         ordust function       Yes         product function       Yes         occling value mail       Yes         product function       Yes         ic CLI       Yes         web-based management       Yes         ic onfiguration with STEP 7       Yes         ic occlin						
• 19-Inch installation     Yes       product testures, product functions, product components / generation cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-s		meta				
product faatures, product functions, product components / general         50           cascading in the case of a redundant ring / at reconfiguration time of +0.3%s         50           cascading in cases of star topology         any (depending only on signal propagation time)           number of automatically learnable MAC addresses         16382           number of QS gueues / per port         8           product function         8           • QoS according to IEEE 802.1Q         Yes           product function         7           • Store & Forward switching method         Yes           product function         7           • CLI         Yes           • web-based management.         Yes           • MIB support         Yes           • CLI         Yes           • configuration with STEP 7         Yes           • SMTP server         No           • port mirroring         Yes           • multipot mirroring         Yes           • multipot mirroring         Yes           • encapsulated Remote Traffic Mirroring (ERTM)         Yes           • switch-managed         Yes           PROFINET IO diagnosis         Yes           • switch-managed         Yes           PROFINET Conformity class         B <td>-</td> <td>No.</td>	-	No.				
cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-s						
time of <-0.3\-s						
number of automatically learnable MAC addresses     16382       number of QoS queues / per port     8       product function     •       • QoS according to IEEE 802.1Q     Yes       product feature     •       • Store & Forward switching method     Yes       product functions / management, configuration, engineering     Yes       product function     Yes       • CLI     Yes       • CLI     Yes       • Web-based management     Yes       • NIB support     Yes       • RAPK via email     Yes       • configuration with STEP 7     Yes       • RNON     Yes       • SMTP server     No       • port mirroring     Yes       • Incapsulated Remote Traffic Mirroring (ERTM)     Yes       • CROFINET IO diagnosis     Yes       • switch-managed     Yes       PROFINET conformity class     B       network load class / according to PROFINET     III       Itelegram length / for Etheret / maximum     9194 byte       protocol / is supported     Yes       • Falnet     Yes       • HTTPS     Yes       • HTTPS     Yes		50				
number of QoS queues / per port     8       product function     Yes       oQoS according to IEEE 802.1Q     Yes       product feature     •       • Store & Forward switching method     Yes       product functions / management, configuration, engineering     product functions / management, configuration, engineering       product functions / management     Yes       • CLI     Yes       • web-based management     Yes       • TRAPs via email     Yes       • origination with STEP 7     Yes       • RMON     Yes       • SMTP server     No       • port mirroring     Yes       • multiport mirroring     Yes       • Encapsulated Remote Traffic Mirroring (ERTM)     Yes       • CoS     Yes       • PROFINET IO diagnosis     Yes       • switch-managed     Yes       PROFINET IO diagnosis     Yes       • B     Prestorement       • Relow load class / according to PROFINET     III       telegram length / for Ethernet / maximum     9194 byte       protocol / is supported     Yes       • Telnet     Yes       • HTTPS     Yes       • HTTPS     Yes       • TFTP     Yes	cascading in cases of star topology	any (depending only on signal propagation time)				
product function          • QoS according to IEEE 802.1Q       Yes         product feature       Yes         • Store & Forward switching method       Yes         product functions / management, configuration, engineering          product function       Yes         • CLI       Yes         • Web-based management       Yes         • MIB support       Yes         • TRAPs via email       Yes         • configuration with STEP 7       Yes         • RMON       Yes         • SMTP server       No         • port mirroring       Yes         • multiport mirroring       Yes         • Encapsulated Remote Traffic Mirroring (ERTM)       Yes         • Store & Source (Lagnosis)       Yes         • PROFINET IO diagnosis       Yes         • REVENT Lod diagnosis       Yes         • PROFINET conformity class       B         network load class / according to PROFINET       III         telegram length / for Ethernet / maximum       9194 byte         protocol / is supported       Yes         • HTTP       Yes         • HTTPS       Yes         • HTTPS       Yes	number of automatically learnable MAC addresses	16382				
• QoS according to IEEE 802.1Q         Yes           product feature            • Store & Forward switching method         Yes           product functions / management, configuration, engineering            product function         Yes           • CLI         Yes           • web-based management         Yes           • MIB support         Yes           • CRION         Yes           • SMTP server         No           • Dort mirroring         Yes           • Encapsulated Remote Traffic Mirroring (ERTM)         Yes           • COS         Yes           • PROFINET IO diagnosis         Yes           • With-managed         Yes           • PROFINET conformity class         B           network load class / according to PROFINET         III           telegram length / for Ethernet / maximum         9194 byte           protocol // is supported	number of QoS queues / per port	8				
product feature     Yes       store & Forward switching method     Yes       product functions / management, configuration, engineering     Image: Store	product function					
product feature     Yes       store & Forward switching method     Yes       product functions / management, configuration, engineering	QoS according to IEEE 802.1Q	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         • SMTP server       No         • port mirroring       Yes         • multiport mirroring       Yes         • Encapsulated Remote Traffic Mirroring (ERTM)       Yes         • SWTP Server       No         • PROFINET IO diagnosis       Yes         • switch-managed       Yes         PROFINET conformity class       B         network load class / according to PROFINET       III         telegram length / for Ethernet / maximum       9194 byte         protocol / is supported       Yes         • HTTP       Yes         • HTTP       Yes         • HTTPS       Yes         • TFTP       Yes	product feature					
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         • SMTP server       No         • port mirroring       Yes         • multiport mirroring       Yes         • Encapsulated Remote Traffic Mirroring (ERTM)       Yes         • SWTP Server       No         • PROFINET IO diagnosis       Yes         • switch-managed       Yes         PROFINET conformity class       B         network load class / according to PROFINET       III         telegram length / for Ethernet / maximum       9194 byte         protocol / is supported       Yes         • HTTP       Yes         • HTTP       Yes         • HTTPS       Yes         • TFTP       Yes	Store & Forward switching method	Yes				
product function <ul> <li>CLI</li> <li>Yes</li> <li>web-based management</li> <li>Yes</li> <li>MIB support</li> <li>Yes</li> <li>TRAPs via email</li> <li>Yes</li> <li>SMTP server</li> <li>No</li> <li>SMTP server</li> <li>No</li> <li>port mirroring</li> <li>Yes</li> <li>Encapsulated Remote Traffic Mirroring (ERTM)</li> <li>Yes</li> <li>Encapsulated Remote Traffic Mirroring (ERTM)</li> <li>Yes</li> <li>PROFINET IO diagnosis</li> <li>Yes</li> <li>switch-managed</li> <li>Yes</li> <li>switch-managed</li> <li>Yes</li> <li>switch-managed</li> <li>Yes</li> <li>PROFINET conformity class</li> <li>B</li> <li>network load class / according to PROFINET</li> <li>III</li> <li>telegram length / for Ethernet / maximum</li> <li>p194 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> </ul> <li>Yes</li>	č					
• CLIYes• web-based managementYes• WlB supportYes• MlB supportYes• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• RMONYes• RMONYes• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBretwork load class / according to PROFINETIIItelegram length / for Ethemet / maximum9194 byte• PTIPSYes• HTTPYes• HTTPSYes• TFIPYes						
• web-based managementYes• MIB supportYes• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• RMONYes• SMTP serverNo• port mirroringYes• multiport mirroringYes• Encapsulated Remote Traffic Mirroring (ERTM)Yes• CoSYes• PROFINET IO diagnosisYes• switch-managedYes• PROFINET conformity classBnetwork load class / according to PROFINETIIItelegram length / for Ethernet / maximum9194 byte• TeinetYes• HTTPYes• HTTPSYes• HTTPSYes• FTFPYes	•	Yes				
MIB supportYes• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• RMONYes• SMTP serverNo• port mirroringYes• multiport mirroringYes• Encapsulated Remote Traffic Mirroring (ERTM)Yes• CoSYes• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINETIIItelegram length / for Ethernet / maximum9194 byte• TelnetYes• HTTPYes• HTTPSYes• FTFPYes						
• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• RMONNo• SMTP serverNo• port mirroringYes• multiport mirroringYes• Encapsulated Remote Traffic Mirroring (ERTM)Yes• CoSYes• PROFINET IO diagnosisYes• switch-managedYes• PROFINET conformity classB• network load class / according to PROFINETIII• telegram length / for Ethernet / maximum9194 byte• TelnetYes• TelnetYes• HTTPYes• HTTPSYes• HTTPSYes• FTFPYes	-					
• configuration with STEP 7Yes• RMONYes• SMTP serverNo• port mirroringYes• nultiport mirroringYes• Encapsulated Remote Traffic Mirroring (ERTM)Yes• CoSYes• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINETIIItelegram length / for Ethernet / maximum9194 byte• TelnetYes• TelnetYes• HTTPYes• HTTPSYes• TFTPYes• TFTPYes						
RMONYesSMTP serverNo• port mirroringYes• multiport mirroringYes• Encapsulated Remote Traffic Mirroring (ERTM)Yes• CoSYes• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINETIIItelegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPYes• HTTPYes• TFIPYes• TFIPYes						
• SMTP serverNo• port mirroringYes• multiport mirroringYes• Encapsulated Remote Traffic Mirroring (ERTM)Yes• CoSYes• PROFINET IO diagnosisYes• switch-managedYes• PROFINET conformity classB• network load class / according to PROFINETIII• telegram length / for Ethernet / maximum9194 byte• TelnetYes• TelnetYes• HTTPYes• HTTPYes• HTTPSYes• TFTPYes• TFTPYes	-					
• port mirroringYes• multiport mirroringYes• Encapsulated Remote Traffic Mirroring (ERTM)Yes• CoSYes• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINETIIItelegram length / for Ethernet / maximum9194 byte• TelnetYes• TelnetYes• HTTPYes• HTTPYes• HTTPSYes• TFTPYes• TFTPYes						
multiport mirroringYesEncapsulated Remote Traffic Mirroring (ERTM)YesCOSYesPROFINET IO diagnosisYesswitch-managedYesPROFINET conformity classBnetwork load class / according to PROFINETIIItelegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPYes• HTTPSYes• TFTPYes• TFTP <td></td> <td></td>						
• Encapsulated Remote Traffic Mirroring (ERTM)Yes• CoSYes• PROFINET IO diagnosisYes• switch-managedYes• PROFINET conformity classBnetwork load class / according to PROFINETIIItelegram length / for Ethernet / maximum9194 byte• TelnetYes• TelnetYes• HTTPYes• HTTPSYes• TFTPYes						
• CoSYes• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINETIIItelegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TelnetYes• TEInetYes• TEINETYes• TEINETYes• TTPYes• HTTPSYes• TFTPYes• TFTPYes• TFTPYes	· · ·					
• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINETIIItelegram length / for Ethernet / maximum9194 byte• protocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes• FTFPYes						
• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINETIIItelegram length / for Ethernet / maximum9194 byteprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes• TFTPYes• TFTPYes						
PROFINET conformity class       B         network load class / according to PROFINET       III         telegram length / for Ethernet / maximum       9194 byte         protocol / is supported       -         • Telnet       Yes         • HTTP       Yes         • HTTPS       Yes         • TFTP       Yes	-					
network load class / according to PROFINET       III         telegram length / for Ethernet / maximum       9194 byte         protocol / is supported       Yes         • Telnet       Yes         • HTTP       Yes         • HTTPS       Yes         • TFTP       Yes         • TFTP       Yes						
telegram length / for Ethernet / maximum     9194 byte       protocol / is supported        • Telnet     Yes       • HTTP     Yes       • HTTPS     Yes       • TFTP     Yes						
protocol / is supported     Yes       • Telnet     Yes       • HTTP     Yes       • HTTPS     Yes       • TFTP     Yes						
• TelnetYes• HTTPYes• HTTPSYes• TFTPYes		9194 byte				
• HTTPYes• HTTPSYes• TFTPYes	protocol / is supported					
<ul> <li>HTTPS</li> <li>Yes</li> <li>Yes</li> </ul>	• Telnet	Yes				
• TFTP Yes	• HTTP	Yes				
	• HTTPS	Yes				
• FTP Yes	• TFTP	Yes				
	• FTP	Yes				



• FIPYes• IECTONYes• IECTONYes• IENPYes• IENPYes• IEDPYes• IEDPYes• IENPYes• IENPYes• IENP YesYes• IENP YesYes<		
• INPTCONFYes• INPTCONFYes• INPTCONFYes• INNP YesYes• INNP YesYes <td>• SFTP</td> <td>Yes</td>	• SFTP	Yes
KMPPYs• CKMPPYs• CKMPPYs• CKMPPYs• SUMP v1Ys• SUMP v2Ys• SUMP v3Ys• SUMP v3Y	• BOOTP	Yes
• COPYes• LLDPYes• EhuntwellPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• SNMP v3Yes• SNMP v6Yes• SNMP	NETCONF	Yes
ILDPYes• ElseviewDPYes• SNAP v2Yes• SNAP v3Yes• SNAP v3Yes• SNAP v3Yes• SNAP v4Yes• SNAP v5Yes• SNAP v5Yes• SNAP v5Yes• SNAP v6Yes• SNAP v6No• VLAP v60 v60 v60Yes• VLAP v60 v60 v60 v60Yes• VLAP v60	• GMRP	Yes
• EndrabeliPYes• SNMP v3Yes• SNMP v3Yes• SNMP v3Yes• IGMP (anocpringingener)Yes• IGMP (anocpringingener)Yes• IGMA (anocpringingener)Yes•	• DCP	Yes
<ul> <li>NAAP v1</li> <li>Yes</li> <li>NAAP v3</li> <li>Yes</li> <li>NAAP v3</li> <li>Yes</li> <li>NAAP v4</li> <li>Yes</li> <li>NAAP v5</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>NAAP v5</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>NAAP v5</li> <li>Yes</li> <li>Ye</li></ul>	• LLDP	Yes
<ul> <li>SNMP v2</li> <li>SNMP v3</li> <li>SNMP v3</li> <li>SNMP v3</li> <li>SNMP v4</li> <li>SNMP v3</li> <li>SNMP v4</li> <li>SNMP v4</li></ul>	EtherNet/IP	Yes
<ul> <li>SMP r3</li> <li>Yes</li> <li>IGMF (an optinglugation)</li> <li>Yes</li> <li>Gentification &amp; maintenance (unction)</li> <li>IGM - divice-specific information</li> <li>Yes</li> <li>Product function / relignment/social on designation</li> <li>Product function / relignment/social on designation</li> <li>Product function</li> <li>I port disploratios</li> <li>Yes</li> <li>Statistics Packet Size</li> <li>Yes</li> <li>Systaged</li> <li>Yes</li> <li>Product function</li> <li>VLAN - port based</li> <li>Yes</li> <li>Product function</li> <li>VLAN - port based</li> <li>Yes</li> <li>Product function</li> <li>VLAN - port based</li> <li>Yes</li> <li>Product function</li> <li>VLAN - protocol-based</li> <li>No</li> <li></li></ul>	• SNMP v1	Yes
	• SNMP v2	Yes
	• SNMP v3	Yes
identification & maintenance function iBAM - device specific information iProduct function		
+ 8400 - device specific information     Yes       product function     -       product function     -       - oprid lagonation     Yes       - adaption of lagonation     Yes       - VLAN - probased     No       - VLAN - probased     No       - unuber of VLANs - function     257       - number of VLANs - function     257       - number of VLANs - function     Yes       - DHCP batent     Yes       - DHCP batent     Yes       - DHCP batent     Yes       - DHCP Coption 68     Yes       - DHCP Coption 67     Yes       - product function     Yes       - of the PROFINET ID device / is supported / PROFINET     Yes       - of the PROFINET ID device / is supporte		
sh11 - higher level designation/location designation         Yes           product functions / diagnostics         Yes           • port diagnostics         Yes           • statistics packet type         Yes           • attributes packet type         Yes           • error' statistics packet type         Yes           • error' statistics packet type         Yes           • error' statistics packet type         Yes           • product functions / VLAN         Yes           • VLAN - nort based         Yes           • VLAN - protocol-based         No           • VLAN - Protocol-based         No           • ULAN - Stating (REM)         257           product functions / DHCP         Protocol-based           • DHCP Option 82         Yes           • DHCP Option 83         Yes           • DHCP Option 83         Yes           • DHCP Option 82         Yes <t< td=""><td></td><td>Yes</td></t<>		Yes
product functions / diagnosities         Yes           • port diagnosities         Yes           • statistics Packet Size         Yes           • statistics packet type         Yes           • entror statistics         Yes           • entror statistics         Yes           • entror statistics         Yes           • entror statistics         Yes           • Product functions / VLAN         Product functions           • VUAN - protocol-based         No           • VUAN - based         No           • UANs - dynamic / maximum         257           number of VLANs - dynamic / maximum         257           product function         DHCP           product function         DHCP           product function         PMCP           • DHCP Option 63         Yes           • DHCP Option 64         Yes           • DHCP Option 77         Yes           product function         Yes           • DHCP Option 70         Yes           product function         Yes		
product function     Yes       • statistics Packet Size     Yes       • statistics Packet Size     Yes       • error statistics     Yes       • error statistics     Yes       • SysLog     Yes       product functions     YLAN       • VLAN - port based     Yes       • VLAN - portocol-based     No       • VLAN - protocol-based     No       • VLAN - Protocol-based     No       • VLAN - Protocol-based     No       • UNAN - protocol-based     No       • DHCP Option 81     Yes       • DHCP Option 82     Yes       • DHCP Option 83     Yes       • DHCP Option 84     Yes       • DHCP Option 85     Yes       • DHCP Option 81     Yes       • OHCP Option 81     Yes       • OHCP Option 82     Yes       • DHCP Option 81     Yes       • DHCP Option 82     Yes       • DHCP Optio		
Port diagnostics Yes     statistics packet Spe     error statistics packet type     error statistics Yes     error statistics     Yes     yes      product function         VLAN - port based         No         VLAN - port based         No         VLAN - port based         No         VLAN - protocol-based         No         VLAN - function         VLAN - function         VLAN - function         VLAN - function         VLAN - protocol-based         No         VLAN - protocol-based         VLAN - protocol-(MRP) - MRP; standby         ZF7         Ves         Veclo- Potion 67         Ves         Veclo- Potion 67         Ves         Veclo- Potion 67         Ves         Veclo- Potion 67         Ves         Protocol-function         Protocol-function         Protocol-function         Protocol-function         Ves         Protocol-function         Protocol-function         Protocol-function         Ves         Protocol-function		
	•	Yes
Statistics packet type     error statistics     Yes     veror statistics     Yes  product functions / VLAN  product functions / VLAN  product functions / VLAN  product functions / VLAN      VLAN - protocol-based     No      VLAN - for based     VLAN - for based     No      VLAN - for based     VLAN - for		
error statistics     Yes     SysLag     Yes     Yes     SysLag     Yes		
SysLog     Yes  product functions / VLAN  product function     VLAN - port based     Yes     VLAN - protocol-based     No     VLAN - protocol-based     No     VLAN - protocol-based     No     VLAN - Inb-based     No     Number of VLANs - Adjuantic / maximum     Z57     Inumber of VLANs - Inb-based     VLAN - Inb-based     No     Number of VLAN - Inb-based     No     Number of VLANs - Inb-based     No     Number of VLAN - Inb-based     No     Inb(P Option 62     Yes     Product function     Number of VLAN     Number of VLAN - Inb-based     No     Number of VLAN - Inb-based     Number of VLAN - Inb-based     Number of VLAN - Inb-based     Number of VLAN     Numatinter     Number of VLAN     Numation     Number of VL		
product functions         /VLAN           or VLAN - prot based         Yes           • VLAN - protocol-based         No           • VLAN - Ipot based         No           • VLAN - Ipot based         No           • ULAN - Ipot based         No           • ULAN - Ipotacol-based         No           • number of VLANs / anxinum         257           number of VLANs / anxinum         257           number of VLANs / anxinum         257           product functions / DHCP         Product functions / DHCP           product function / DHCP server         Yes           • DHCP Option 66         Yes           • DHCP Option 67         Yes           product function         Yes           • of the PROFINET to device / is supported / Head Redundancy         Yes           • of the PROFINET to device / is supported / HeN-IN         Yes           • of the PROFINET to device / is supported / PROFINET         Yes           • ing redundancy         Yes           • ing redundancy protocol (HRP) with redundancy         Yes		
product function     Yes       • VLAN - port based     Yes       • VLAN - portocol-based     No       • VLAN - protocol-based     No       • VLAN - Probased     No       • ULAN - Probased     No       • ULAN - Probased     No       • ULAN - IP-based     No       number of VLANs - dynamic / maximum     257       number of VLANs - dynamic / maximum     257       ink)     product functions       • DHCP Desver     Yes       • DHCP Option 82     Yes       • DHCP Option 66     Yes       • DHCP Option 67     Yes       product function     Yes       • DHCP Option 68     Yes       • DHCP Option 67     Yes       product function     Yes       • other POPTIME / Media Redundancy Protocol (MRP)     Yes       product function     Yes       • other PROFINET IO device / is supported / H-Sync     Yes       • of the PROFINET IO device / is supported / PROFINET     Yes       • of the PROFINET IO device / is supported / PROFINET     Yes       • not the PROFINET IO device / is supported / PROFINET     Yes       • not the PROFINET IO device / is supported / PROFINET     Yes       • not the PROFINET IO device / is supported / PROFINET     Yes       • nother Medianeny protocol (HRP) with redundanc	, , , , , , , , , , , , , , , , , , , ,	res
• VLAN - port based     Yes       • VLAN - protocol-based     No       • VLAN - I-protocol-based     No       number of VLANs / maximum     257       number of VLANs / at ning redundancy (HRP; MRP; standby     257       product function     257       product functions / DHCP     Product functions / DHCP       product function     Yes       • DHCP client     Yes       • DHCP Option 62     Yes       • DHCP Option 67     Yes       protocut functions / rodundancy     Yes       protocut function     Yes       in endal redundancy protocol (MRP)     Yes       protocut function     Yes       in endal redundancy protocol (MRP)     Yes       in file redundancy     Yes       in file redundancy     Yes       in ing redundancy     Yes       ing redundancy protocol (HRP) with redundancy     Yes       ing redundancy protocol (HRP) with standby     Yes <td></td> <td></td>		
• VLAN - protocol-based     No       • VLAN - IP-based     No       number of VLANs / maximum     257       number of VLANs / aximum     257       number of VLANs / aximum     257       product functions / DHCP     257       product functions / DHCP     768       • DHCP Client     Yes       • DHCP Option 82     Yes       • DHCP Option 66     Yes       • DHCP Option 67     Yes       product function     Yes       • DHCP Option 67     Yes       • DHCP Option 67     Yes       • DHCP Option 66     Yes       • DHCP Option 67     Yes       product function     Yes       • of the PROFINET IO device / is supported / Helia Redundancy Protocol (MRP)     Yes       • of the PROFINET IO device / is supported / PROFINET     Yes       • of the PROFINET IO device / is supported / PROFINET     Yes       • of the PROFINET IO device / is supported / PROFINET     Yes       • rig redundancy     Yes       • high speed redundancy protocol (HRP) with redundancy     Yes       • rig redundancy     Yes       • rig redundancy protocol (HRP) with standby     Yes       • redundancy procedure RSTP     Yes       • redundancy procedure RSTP     Yes       • redundancy procedure RSTP     Yes	•	
• VLAN - IP-based         No           number of VLANs / maximum         257           number of VLANs - dynamic / maximum         257           product functions / DHCP         257           product functions / DHCP         Yes           • DHCP Option 82         Yes           • DHCP Option 66         Yes           • DHCP Option 67         Yes           product functions / rodundancy         Yes           product functions / rodundancy         Yes           product functions / rodundancy         Yes           product function         Yes           endia redundancy protocol (MRP) with redundancy         Yes           manager         Yes           of the PROFINET IO device / is supported / H-Sync         Yes           forwarding         Yes           • Nigh speed redundancy protocol (HRP) with redundancy         Yes           manager         Yes           • high speed redundancy protocol (HRP) with standby         Yes           redundancy procedure STP         Yes           • redundancy procedure STP         Yes	-	
number of VLANs / maximum     257       number of VLANs / at ring redundancy (HRP; MRP; standby     257       ink)     257       product functions / DHCP       product function        • DHCP server     Yes       • DHCP Option 82     Yes       • DHCP Option 66     Yes       • DHCP Option 67     Yes       product functions / redundancy     Yes       • DHCP Option 77     Yes       product functions / redundancy     Yes       product function     • media redundancy protocol (MRP)     Yes       product function     • media redundancy protocol (MRP) with redundancy     Yes       • Media Redundancy protocol (MRP) with redundancy     Yes       • of the PROFINET 10 device / is supported / PROFINET     Yes       • of the PROFINET 10 device / is supported / PROFINET     Yes       • ring redundancy     Yes       • high speed redundancy protocol (HRP) with redundancy     Yes       • ring redundancy     Yes       • edundancy procedure STP     Yes       • redundancy procedure STP	-	
number of VLANs - dynamic / maximum     257       number of VLANs / at ring redundancy (HRP; MRP; standby link)     257       product functions     DHCP       product function     • DHCP server       • DHCP option 62     Yes       • DHCP Option 66     Yes       • DHCP Option 67     Yes       product functions     redundancy       product functions     Yes       • DHCP Option 67     Yes       product functions     redundancy       protocol / is supported / Media Redundancy Protocol (MRP)     Yes       protocol / is supported / Media Redundancy Protocol (MRP-I)     Yes       protocol / is supported / Media Redundancy Protocol (MRP-I)     Yes       • media redundancy protocol (MRP) with redundancy     Yes       • of the PROFINET IC device / is supported / H-Sync     Yes       • of the PROFINET IC device / is supported / H-Sync     Yes       • nig redundancy     Yes       • nigh speed redundancy protocol (HRP) with redundancy     Yes       • nigh speed redundancy protocol (HRP) with redundancy     Yes       • redundancy procedure RSTP     Yes       • redundancy protocol (PR		
number of VLANs / at ring redundancy (HRP; MRP; standby link)     257       product functions / DHCP     Product functions / DHCP       product function     Yes       • DHCP client     Yes       • DHCP Option 62     Yes       • DHCP Option 67     Yes       product functions / rodundancy     Yes       • DHCP Option 67     Yes       product functions / rodundancy     Yes       product functions / rodundancy     Yes       product functions / rodundancy protocol (MRP)     Yes       product functions / rodundancy protocol (MRP)     Yes       endel aredundancy protocol (MRP) with redundancy     Yes       endel aredundancy protocol (MRP)     Yes       of the PROFINET IO device / is supported / H-Sync     Yes       of the PROFINET IO device / is supported / PROFINET     Yes       eigh speed redundancy protocol (HRP) with redundancy     Yes       eigh speed redundancy protocol (HRP) with redundancy     Yes       edundancy procedure RSTP     Yes       edundancy procedure RSTP     Yes       edundancy procedure RSTP+     Yes       edundancy procedure RSTP+     Yes       edundancy procedure RSTP+     Yes       edundancy procedure RSTP     Yes       Parallel Redundancy Protocol (PRP)/greation in the PRP-relevad     Yes       Parallel Redundancy Pro		
link) product functions / DHCP product function DHCP Server DHCP Client DHCP Option 82 DHCP Option 82 DHCP Option 66 Yes DHCP Option 67 Yes DHCP Option 67 Yes Product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) roduct function manager Media Redundancy Protocol (MRP-I) of the PROFINET IO device / is supported / PROFINET system redundancy of the PROFINET IO device / is supported / PROFINET system redundancy of the PROFINET IO device / is supported / PROFINET system redundancy of the PROFINET IO device / is supported / PROFINET system redundancy of the PROFINET IO device / is supported / PROFINET system redundancy system redundancy System redundancy System redundancy System redundancy protocol (HRP) with redundancy manager shigh speed redundancy protocol (HRP) with standby redundancy setundancy setundancy setundancy setundancy procedure RSTP setedundancy procedure RSTP setedundancy protocol (HRP) with standby redundancy setundancy procedure RSTP setundancy procedure RSTP setundancy procedure RSTP setedundancy protocol (PRP)/operation in the RRP-retwork PRP-retwork PRP-retwork Praniel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Yes Passive listenling Yes	· · · · · · · · · · · · · · · · · · ·	
product functions / DHCP           product function           • DHCP Server         Yes           • DHCP Option 82         Yes           • DHCP Option 66         Yes           • DHCP Option 67         Yes           product functions / rodundancy         Yes           product functions / rodundancy         Yes           product functions / rodundancy         Yes           product functions         Yes           product function         Yes           product function         Yes           • media redundancy protocol (MRP) with redundancy         Yes           • of the PROFINET IO device / is supported / H-Sync         Yes           • of the PROFINET IO device / is supported / PROFINET         Yes           • of the PROFINET IO device / is supported / PROFINET         Yes           • ing redundancy         Yes           • ing redundancy protocol (HRP) with redundancy         Yes           • high speed redundancy protocol (HRP) with standby         Yes           • redundancy procedure RSTP         Yes		257
product function     Ves       • DHCP server     Yes       • DHCP Option 82     Yes       • DHCP Option 66     Yes       • DHCP Option 67     Yes       product functions / redundancy     Yes       product function     (MRP)       indication     (MRP)       ves     (MRP)       product function     (MRP)       indication     (MRP)       inditadion	,	
• DHCP serverYes• DHCP QitientYes• DHCP Option 82Yes• DHCP Option 66Yes• DHCP Qitient 67Yesproduct functions / redundancy Protocol (MRP)Yesproduct function• media redundancy protocol (MRP) with redundancyYes• Media Redundancy protocol Interconnection (MRP-I)Yes• of the PROFINET IO device / is supported / H-SyncYes• of the PROFINET IO device / is supported / H-SyncYes• of the PROFINET IO device / is supported / PROFINETYes• high speed redundancy protocol (HRP) with redundancyYes• ning redundancyYes• ning redundancyYes• high speed redundancy protocol (HRP) with redundancyYes• redundancy protocol (HRP) with standbyYes• redundancy procedure RSTPYes• redundancy procedure RSTPYes• redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy protocol (PRP)/bepration in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/bepration in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/bepration in the RPR-networkYes• Parallel Redundancy Protocol (PRP)/bepration in the RPR-networkYes• passive listeningYes		
• DHCP clientYes• DHCP Option 82Yes• DHCP Option 66Yes• DHCP Option 67Yesproduct functions / redundancyYesproduct function / redundancy protocol (MRP) with redundancyYesproduct function*• media redundancy protocol (MRP) with redundancyYes• media redundancy protocol Interconnection (MRP-I)Yes• Media Redundancy Protocol Interconnection (MRP-I)Yes• of the PROFINET IO device / is supported / H-SyncYes• of the PROFINET IO device / is supported / PROFINETYes• of the PROFINET IO device / is supported / PROFINETYes• nign redundancyYes• nign speed redundancy protocol (HRP) with redundancyYes• nigh speed redundancy protocol (HRP) with standbyYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTPYes• redundancy procedure RSTPYes• redundancy protocol (PRP)/berration in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/peration in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/peration in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/peration in the PRP-networkYes• passive listeningYes	•	Vec
• DHCP Option 82Yes• DHCP Option 66Yes• DHCP Option 67Yesproduct functions / redundancyYesproduct functions / redundancy Protocol (MRP)Yesproduct function*• media redundancy protocol (MRP) with redundancyYes• media redundancy protocol Interconnection (MRP-I)Yes• of the PROFINET IO device / is supported / H-SyncYes• of the PROFINET IO device / is supported / PROFINETYes• of the PROFINET IO device / is supported / PROFINETYes• of the PROFINET IO device / is supported / PROFINETYes• of the PROFINET IO device / is supported / PROFINETYes• of the PROFINET IO device / is supported / PROFINETYes• of the PROFINET IO device / is supported / PROFINETYes• of the proce dura supported / PROFINETYes• high speed redundancy protocol (HRP) with redundancyYes• high speed redundancy protocol (HRP) with standbyYes• redundancy procedure STPYes• redundancy procedure RSTP+Yes• redundancy procedure RSTP+Yes• redundancy procedure RSTP+Yes• redundancy protocol (PRP)/operation in theYes• Parallel Redundanc		
• DHCP Option 66Yes• DHCP Option 67Yesproduct functions / redundancyYesproduct functionYesproduct functionYes• media redundancy protocol (MRP) with redundancy managerYes• Media Redundancy Protocol Interconnection (MRP-I)Yes• Media Redundancy Protocol Interconnection (MRP-I)Yes• of the PROFINET IO device / is supported / H-Sync forwardingYes• of the PROFINET IO device / is supported / PROFINET system redundancyYes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancy redundancy procedure STPYes• redundancy procedure RSTP • redundancy procedure RSTP • redundancy procedure RSTP • FesYes• redundancy procedure RSTP • Parallel Redundancy Protocol (PRP)/Sepration in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• Parasive listeningYes		
• DHCP Option 67Yesproduct functions / redundancyYesproduct functionYesproduct functionYes• Media redundancy protocol (MRP) with redundancy managerYes• Media redundancy protocol Interconnection (MRP-I)Yes• Media Redundancy Protocol Interconnection (MRP-I)Yes• of the PROFINET IO device / is supported / H-Sync forwardingYes• of the PROFINET IO device / is supported / PROFINET system redundancyYes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancyYes• redundancy procedure STPYes• redundancy procedure RSTP • redundancy procedure RSTP • redundancy procedure RSTP • Fealuel Redundancy Protocol (PRP)/speration in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes		
product functions / redundancy         redundancy         Yes           product function         • media redundancy protocol (MRP) with redundancy manager         Yes           • Media Redundancy Protocol Interconnection (MRP-I)         Yes           • of the PROFINET IO device / is supported / H-Sync forwarding         Yes           • of the PROFINET IO device / is supported / PROFINET system redundancy         Yes           • nigh speed redundancy protocol (HRP) with redundancy manager         Yes           • high speed redundancy protocol (HRP) with standby redundancy         Yes           • high speed redundancy protocol (HRP) with standby redundancy         Yes           • redundancy procedure STP         Yes           • redundancy procedure RSTP         Yes           • Parallel Redundancy Protocol (PRP)/peration in the PRP-network         Yes           • Parallel Redundancy Protocol (PRP)/Redundant Network Acceess (RNA)         Yes           • passive listening         Yes	-	
protocol / is supported / Media Redundancy Protocol (MRP)         Yes           product function         • media redundancy protocol (MRP) with redundancy manager         Yes           • Media Redundancy Protocol Interconnection (MRP-I)         Yes           • of the PROFINET IO device / is supported / H-Sync forwarding         Yes           • of the PROFINET IO device / is supported / PROFINET system redundancy         Yes           • ring redundancy         Yes           • high speed redundancy protocol (HRP) with redundancy manager         Yes           • high speed redundancy protocol (HRP) with standby redundancy protocol (HRP) with standby redundancy procedure STP         Yes           • redundancy procedure RSTP         Yes           • Parallel Redundancy Protocol (PRP)/operation in the PRP-network         Yes           • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)         Yes		Yes
product function• media redundancy protocol (MRP) with redundancy manager• Media Redundancy Protocol Interconnection (MRP-I)• Media Redundancy Protocol Interconnection (MRP-I)• of the PROFINET IO device / is supported / H-Sync forwarding• of the PROFINET IO device / is supported / PROFINET system redundancy• of the PROFINET IO device / is supported / PROFINET system redundancy• high speed redundancy protocol (HRP) with redundancy manager• high speed redundancy protocol (HRP) with redundancy manager• high speed redundancy protocol (HRP) with standby redundancy redundancy procedure STP• redundancy procedure RSTP • redundancy procedure RSTP • redundancy procedure RSTP • redundancy procedure MSTP• Parallel Redundancy Protocol (PRP)/operation in the PRP-network• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)• passive listeningYes		
• media redundancy protocol (MRP) with redundancy managerYes• Media Redundancy Protocol Interconnection (MRP-I)Yes• of the PROFINET IO device / is supported / H-Sync forwardingYes• of the PROFINET IO device / is supported / PROFINET system redundancyYes• ring redundancyYes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancy redundancyYes• high speed redundancy protocol (HRP) with standby redundancy redundancy redundancy procedure STPYes• redundancy procedure RSTP • redundancy procedure RSTP • redundancy procedure MSTPYes• redundancy procedure MSTP • Parallel Redundancy Protocol (PRP)/speration in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes		Yes
manager• Media Redundancy Protocol Interconnection (MRP-I)Yes• of the PROFINET IO device / is supported / H-Sync forwardingYes• of the PROFINET IO device / is supported / PROFINET system redundancyYes• ring redundancyYes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancyYes• high speed redundancy protocol (HRP) with standby redundancyYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTP+ • redundancy procedure RSTP+ • redundancy procedure MSTPYes• High-availability Seamless Redundancy (HSR) • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes	•	
Media Redundancy Protocol Interconnection (MRP-I) Yes     of the PROFINET IO device / is supported / H-Sync     forwarding     of the PROFINET IO device / is supported / PROFINET     yes     system redundancy     ves     ring redundancy     Yes     high speed redundancy protocol (HRP) with redundancy     redundancy     high speed redundancy protocol (HRP) with standby     redundancy     redundancy     redundancy procedure STP     ves     redundancy procedure RSTP     redundancy procedure RSTP+     redundancy procedure RSTP+     Yes     redundancy procedure RSTP     High-availability Seamless Redundancy (HSR)     Ves     Parallel Redundancy Protocol (PRP)/Redundant Network     Access (RNA)     passive listening     Yes		Yes
• of the PROFINET IO device / is supported / H-Sync forwardingYes• of the PROFINET IO device / is supported / PROFINET system redundancyYes• ring redundancyYes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancyYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes	-	Yes
forwarding• of the PROFINET IO device / is supported / PROFINET system redundancyYes• ring redundancyYes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancyYes• high speed redundancy protocol (HRP) with standby redundancyYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTPYes• redundancy procedure RSTPYes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes		
<ul> <li>of the PROFINET IO device / is supported / PROFINET system redundancy</li> <li>ring redundancy</li> <li>ring redundancy</li> <li>high speed redundancy protocol (HRP) with redundancy Yes manager</li> <li>high speed redundancy protocol (HRP) with standby redundancy procedure STP</li> <li>redundancy procedure RSTP</li> <li>redundancy procedure RSTP+</li> <li>redundancy procedure RSTP+</li> <li>redundancy procedure RSTP</li> <li>Yes</li> <li>Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> <li>passive listening</li> <li>Yes</li> </ul>		
system redundancyYes• ring redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancy redundancy procedure STPYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes	<ul> <li>of the PROFINET IO device / is supported / PROFINET</li> </ul>	Yes
• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancyYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• redundancy procedure MSTPYes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes	system redundancy	
manager• high speed redundancy protocol (HRP) with standby redundancyYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• redundancy procedure MSTPYes• High-availability Seamless Redundancy (HSR)Yes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes		Yes
high speed redundancy protocol (HRP) with standby redundancyYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• redundancy procedure MSTPYes• high-availability Seamless Redundancy (HSR)Yes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes		Yes
redundancyredundancy• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• redundancy procedure MSTPYes• High-availability Seamless Redundancy (HSR)Yes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes	-	No.
• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• High-availability Seamless Redundancy (HSR)Yes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes		res
• redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• High-availability Seamless Redundancy (HSR)Yes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes	-	Yes
<ul> <li>redundancy procedure RSTP+</li> <li>redundancy procedure MSTP</li> <li>Yes</li> <li>High-availability Seamless Redundancy (HSR)</li> <li>Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> <li>passive listening</li> <li>Yes</li> </ul>		
• redundancy procedure MSTPYes• High-availability Seamless Redundancy (HSR)Yes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Yes• passive listeningYes		
• High-availability Seamless Redundancy (HSR)       Yes         • Parallel Redundancy Protocol (PRP)/operation in the PRP-network       Yes         • Parallel Redundancy Protocol (PRP)/Redundant Network       Yes         • passive listening       Yes		
<ul> <li>Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> <li>passive listening</li> <li>Yes</li> </ul>		
PRP-network     Parallel Redundancy Protocol (PRP)/Redundant Network     Yes       Access (RNA)     Yes       • passive listening     Yes		
Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)     passive listening     Yes		100
Access (RNA)  • passive listening Yes		Yes
protocol / is supported	passive listening	Yes
	protocol / is supported	



• STP/RSTP	Yes
• STP	Yes
• RSTP	Yes
<ul> <li>RSTP big network support</li> </ul>	Yes
• LACP	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
product functions / security	
product function	
• IEEE 802.1x (radius)	Yes
<ul> <li>broadcast/multicast/unicast limiter</li> </ul>	Yes
broadcast blocking	Yes
protocol / is supported	
• SSH	Yes
• SSL	Yes
product functions / time	
product function	
<ul> <li>SICLOCK support</li> </ul>	Yes
NTP-client	Yes
SNTP client	Yes
<ul> <li>IEEE 1588 v2 transparent forwarding</li> </ul>	Yes
protocol / is supported	
• NTP	Yes
• SNTP	Yes
IEEE 1588 profile default	No
accuracy / at IEEE 1588 v2	
<ul> <li>not less than</li> </ul>	100 µs
• typical	50 ns
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
UKCA marking	Yes
<ul> <li>EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1</li> </ul>	Yes
• cULus approval	Yes
KC approval	Yes
Regulatory Compliance Mark (RCM)	Yes
product conformity / according to EMC-quideline	2014/30/EU
standard	
for EMC interference emission	EN 61000-6-4
for immunity to EMC	EN 61000-6-2
for safety / from CSA and UL	UL 62368-1, UL 61010
standards, specifications, approvals / other	
certificate of suitability	
railway application in accordance with EN 50121-4	Yes
railway application in accordance with EN 50125-3	Yes; Section 4.2: Class AX (up to 2000m); section 4.3: T1: Containers N.T.C and T.C. / Buildings N.C.C and C.C, T2: Containers N.T.C and T.C. / Buildings N.C.C and C.C, TX: Containers N.T.C and T.C. / Buildings N.C.C and C.C., derating according to the manual must be observed when SFP/SFP+ transceivers are used; section 4.4: T1: Containers C.C. / Buildings N.C.C and C.C., T2: Containers C.C. / Buildings N.C.C and C.C., T3: Containers C.C. / Buildings N.C.C and C.C; section 4.11: C1: Indoor, C2: Indoor (except condensation), C3: Indoor (except condensation), 4B1, 4S10, UL 62368-1, UL 61010-2-10; section 4.13: partially, Test Fc: Vibration EN 60068-2-6; IEC 60068-2-6, Test Ea: Shock EN 60068-2-27; IEC 60068-2-27, Test Ec: Rough handling, shocks EN 60068-2-31; IEC 60068-2-31; section 4.14: yes; section 4.15: yes, according to manual.
resistance to air pollution / conformity according to ANSI/ISA- 71.04 IT security for industrial automation systems / according to IEC	Yes; G3 Yes
62443-4-2:2019	100
standards, specifications, approvals / Environmental Product De	eclaration
ctandarde, opecificatione, approvalo / Entriconmental / Peddet Be	
Environmental Product Declaration	Yes



<ul> <li>during manufactu</li> </ul>	rina		225 9	6 ka				
during manufacture     during operation	during manufacturing			225.96 kg				
after end of life				1048 kg 0.85 kg				
product functions / gene	eral		0.001	.9				
MTBF								
	reference temperature / for MTBF determination							
reference code			40 °C					
according to IEC	81346-2		KF					
according to IEC			KFE					
Warranty period			5a					
	ported / identification link		Yes; acc. to IEC 61406-1:2022					
further information / inte	•							
internet link								
<ul> <li>to website: Select</li> </ul>	tion guide for cables and	connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358					
	ction aid TIA Selection To			//www.siemens.com/tsto				
<ul> <li>to website: Indust</li> </ul>				//www.siemens.com/sin				
<ul> <li>to web page: SieF</li> </ul>	Portal		https:	//sieportal.siemens.com	 V/			
<ul> <li>to website: Image</li> </ul>				//www.automation.siem				
<ul> <li>to website: CAx-D</li> </ul>				//www.siemens.com/cax				
<ul> <li>to website: Indust</li> </ul>	ry Online Support		https:	//support.industry.sieme	ens.com			
security information								
threats, it is necessary to implement – and continuously maints state-of-the-art industrial cybersecurity concept. Siemens' prod solutions constitute one element of such a concept. Customers for preventing unauthorized access to their plants, systems, m networks. Such systems, machines and components should o to an enterprise network or the internet if and to the extent suc necessary and only when appropriate security measures (e.g. network segmentation) are in place. For additional information cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products undergo continuous development to make them more secure. recommends that product updates are applied as soon as they and that the latest product versions are used. Use of products un longer supported, and failure to apply the latest updates ma customer's exposure to cyber threats. To stay informed about subscribe to the Siemens Industrial Cybersecurity RSS Feed u https://www.siemens.com/cert. (V4.7)				s' products and tomers are responsible ms, machines and ould only be connected ent such a connection is s (e.g. firewalls and/or mation on industrial se visit ducts and solutions ecure. Siemens strongly as they are available oduct versions that are tes may increase about product updates,				
General Product Appr	oval							
UK CA	CE EG-Konf.	EAC		<b>U</b>	RCM	TUV		
Radio Equipment Type Approval Certi- ficate	Test Certificates	Environment		Industrial Communi	cation			
<u>KC</u>	Type Test Certific- ates/Test Report	EPD		PROFINET				
last modified:			5/30/2025 🖸					

