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			
 for network components or terminal equipment 	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			
 for operator console 	1		
 for signaling contact 	1		
• for power supply	1		
type of electrical connection			
 for operator console 	USB (2.0 Port, Type B, serial via USB)		
 for signaling contact 	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		
 supply voltage / 1 / rated value 	100V 250V DC		
 power loss [W] / 1 / rated value 	99 W		
 supply voltage / 1 / rated value 	77 300 V		
 consumed current / 1 / maximum 	0.8 A		
 type of electrical connection / 1 / for power supply 	2-pole terminal block		
 product component / 1 / fusing at power supply input 	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	 supply voltage / 2 / rated value 	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	 power loss [W] / 2 / rated value 	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	 supply voltage / 2 / rated value 	85 264 V				
• Ray protection type / 2 / at input for supply voltage F 4.4 / 260 V Inhibited conditions	 consumed current / 2 / maximum 	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	 type of electrical connection / 2 / for power supply 	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	 fuse protection type / 2 / at input for supply voltage 	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 CLI Yes web-based management Yes MIB support Yes TRAPs via email Yes SMTP server No SMTP server No port mirroring Yes Encapsulated Remote Traffic Mirroring (ERTM) Yes Encapsulated Remote Traffic Mirroring (ERTM) Yes PROFINET IO diagnosis Yes switch-managed Yes switch-managed Yes switch-managed Yes PROFINET conformity class B network load class / according to PROFINET III telegram length / for Ethernet / maximum p194 byte protocol / is supported Telnet Yes HTTP Yes HTTPS Yes TFTP Yes Yes	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					
 HTTPS Yes Yes 	• 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
 NAAP v1 Yes NAAP v3 Yes NAAP v3 Yes NAAP v4 Yes NAAP v5 Yes Yes Yes NAAP v5 Yes Yes Yes Yes NAAP v5 Yes Ye	• LLDP	Yes
 SNMP v2 SNMP v3 SNMP v3 SNMP v3 SNMP v4 SNMP v3 SNMP v4 SNMP v4	EtherNet/IP	Yes
 SMP r3 Yes IGMF (an optinglugation) Yes Gentification & maintenance (unction) IGM - divice-specific information Yes Product function / relignment/social on designation Product function / relignment/social on designation Product function I port disploratios Yes Statistics Packet Size Yes Systaged Yes Product function VLAN - port based Yes Product function VLAN - port based Yes Product function VLAN - port based Yes Product function VLAN - protocol-based No 	• 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		
 of the PROFINET IO device / is supported / PROFINET system redundancy ring redundancy ring redundancy high speed redundancy protocol (HRP) with redundancy Yes manager high speed redundancy protocol (HRP) with standby redundancy procedure STP redundancy procedure RSTP redundancy procedure RSTP+ redundancy procedure RSTP+ redundancy procedure RSTP Yes Parallel Redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) passive listening Yes 		
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	 of the PROFINET IO device / is supported / PROFINET 	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
 redundancy procedure RSTP+ redundancy procedure MSTP Yes High-availability Seamless Redundancy (HSR) Parallel Redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) passive listening 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		
• 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		
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) passive listening Yes 		
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
 RSTP big network support 	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
 broadcast/multicast/unicast limiter 	Yes
broadcast blocking	Yes
protocol / is supported	
• SSH	Yes
• SSL	Yes
product functions / time	
product function	
 SICLOCK support 	Yes
NTP-client	Yes
SNTP client	Yes
 IEEE 1588 v2 transparent forwarding 	Yes
protocol / is supported	
• NTP	Yes
• SNTP	Yes
IEEE 1588 profile default	No
accuracy / at IEEE 1588 v2	
 not less than 	100 µs
• typical	50 ns
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
UKCA marking	Yes
 EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1 	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



 during manufactu 	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								
 to website: Select 	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				
 to website: Indust 				//www.siemens.com/sin				
 to web page: SieF 	Portal		https:	//sieportal.siemens.com	 V/			
 to website: Image 				//www.automation.siem				
 to website: CAx-D 				//www.siemens.com/cax				
 to website: Indust 	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		U	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 🖸					

