SIEMENS

Data sheet

6GK5408-8GR00-2AM2



SCALANCE XM408-8C; managed modular IE switch; 8x 10/100/1000 Mbit/s RJ45; 8x 100/1000 Mbit/s SFP; contains 8 combo ports; in total 8 ports can be used; expandable to 24 ports electrical or optical; assembly: DIN rail/S7 mounting rail, PROFINET IO device; redundancy functions; office features (RSTP, VLAN, IGMP,...); C-PLUG in scope of supply; layer 3 integrated.

product type designation	SCALANCE XM408-8C
transfer rate	
transfer rate	10 Mbit/a 100 Mbit/a 1000 Mbit/a
	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s 24
number of ports / maximum	
interfaces / for communication / maximum configuration for mod	
number of electrical ports / maximum	24
number of electrical ports / with PoE / maximum	16
number of optical ports / maximum	24
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	8; RJ45 with securing collar
number of 10/100/1000 Mbit/s RJ45 ports / integrated	
with securing collar	8
number of electrical connections	
for SFP	8; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver
number of combo ports / with RJ45 interface for optical plug-in transceiver	8; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver
number of connectable extender modules	2
interfaces / for communication / plug-in	
number of 10/100/1000 Mbit/s RJ45 ports	
 with securing collar 	16
 with securing collar / with PoE 	16
number of 100 Mbit/s LC ports	
for multimode	24
• for single mode (LD)	24
• for single mode (LH+)	24
• for single mode (ELH200)	24
number of 1000 Mbit/s LC ports	
for multimode	24
• for single mode (LD)	24
 for single mode (LH) 	24
 for single mode (LH+) 	24
 for single mode (ELH) 	24
number of electrical connections	
for SFP	24; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver
interfaces / other	
number of electrical connections	
 for operator console 	1
 for management purposes 	1
 for signaling contact 	1

• for power supply	1
type of electrical connection	
 for operator console 	RJ11
 for management purposes 	RJ45
for signaling contact	2-pole terminal block
number of extender expansion interfaces	2
design of the removable storage	
• C-PLUG	Yes
• C-PLUG/KEY-PLUG	Yes
product feature / hot-swappable interface modules	Yes
signal inputs/outputs	
operating voltage / of the signaling contacts	
at DC / rated value	24 V
operational current / of the signaling contacts	
• at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
supplied active power / of PSE / with PoE	
 per port / maximum 	30 W
total / maximum	360 W
type of voltage / 1 / of the supply voltage	DC
 supply voltage / 1 / rated value 	24 V
 power loss [W] / 1 / rated value 	48 W
 supply voltage / 1 / rated value 	19.2 28.8 V
 consumed current / 1 / maximum 	2 A
 type of electrical connection / 1 / for power supply 	4-pole terminal block
 product component / 1 / fusing at power supply input 	Yes
ambient conditions	
ambient temperature	
during operation	-40 +70 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity	
 at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP20
design, dimensions and weights	11 20
	modular
design width	140 mm
height	140 mm
depth	125 mm
net weight	1.15 kg
fastening method	1. To Ny
35 mm top hat DIN rail mounting	Yes
S7-300 rail mounting	Yes
S7-1500 rail mounting	
- or root fail mounting	Yes
product features, product functions, product components / good	Yes
product features, product functions, product components / gene	eral
product features, product functions, product components / gene cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	
cascading in the case of a redundant ring / at reconfiguration	eral
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology	50
cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\~s cascading in cases of star topology product functions / management, configuration, engineering	50
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function	50 any (depending only on signal propagation time)
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI	50 any (depending only on signal propagation time) Yes
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • web-based management	50 any (depending only on signal propagation time) Yes Yes
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • web-based management • MIB support	50 any (depending only on signal propagation time) Yes Yes Yes
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email	Yes Yes Yes Yes
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7	50 any (depending only on signal propagation time) Yes Yes
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON	50 any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • port mirroring	50 any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes Yes Yes

PPOCHNET contermity class B product functions vinder managed Yes Integrate wheth for Element / maximum 9216 byte protoch / a supported Yes Integrat Yes Integrations Yes Integrat Yes	PROFINET IO diagnosis	Yes
Integram length // fr Ethemet / maximum 9216 byte protocol / is supported Yes • Telmet Yes • ITTP Yes • ITTP Yes • ITTP Yes • ITTP Yes • IDOP Yes • ISMM Yd Yes • ISMM Pay Yes		В
product // is supported Yes • Trinitel Yes • HTTPP Yes • HTTPB Yes • ITTPB Yes • FTP Yes • BOOTP Yes • BOOT In-Pine Ired designation Yes product function Yes • Status David Status Yes • Status David Status Yes • Status David Status Yes • Tord Status Yes • Status David Status Yes • Tord Status Yes • Status	product function / switch-managed	Yes
YesHTTPYesHTTPSYesHTTPSYesHTTPSYesHTTPSYesSBOTPYesSBOTPYesORAPYesORAPYesORAPYesSIMP v1YesSIMP v2YesSIMP v2YesSIMP v2YesSIMP v2YesSIMP v2YesSIMP v2YesSIMP v2YesSIMP v2YesSIMP v2YesSIMP v3YesSIMP v4YesSIMP v5YesSIMP v5YesSIMP v6YesSIMP v6YesSIMP v7YesSIMP v6YesSIMP v7YesSIMP v7YesSIMP v6YesSIMP v7YesSIMP v7Yes <t< td=""><td>telegram length / for Ethernet / maximum</td><td>9216 byte</td></t<>	telegram length / for Ethernet / maximum	9216 byte
HTTPYes•HTTPSYes•FTPYes•FTPYes•FRPYes•BOOTPYes•BOOTPYes•COPYes </td <td>protocol / is supported</td> <td></td>	protocol / is supported	
• HTTPSYes• FTPYes• BOOTPYes• BOOTPYes• GMRPYes• GMRPYes• GMRPYes• LDPYes• EthenheutPYes• SMMP v2Yes• SMMP v3Yes• SMMP v4Yes• SMO device specific informationYes• SMO device specific informationYes• Soluto specific informationYes• statistics packet SteeYes• statistics packet SteeYes• statistics packet SteeYes• statistics packet SteeYes• SylogYes• Soluto InnotionYes• VLAN + port basedYes• VLAN + port basedYes• VLAN + port basedYes• VLAN + St mainturn255• DHCP Opton 67Yes• DHCP Opton 71Yes• DHCP Opton 72Yes• DHCP Opton 74Yes• DHCP Opton 75Yes• Statist IP routing IntegratedYes• DHCP Opton 75Yes• Statist IP routing IntegratedYes• Statist IP routing IntegratedYes• Statist IP routing IntegratedYes• Statist IP routing Integrated <td>• Telnet</td> <td>Yes</td>	• Telnet	Yes
TTPYes• FTPYes• BOOTPYes• BOOTPYes• DCPYes• DCPYes• DCPYes• SMMP visYes• SyslopYes• SyslopYes• SyslopYes• SyslopYes• VLAN - port basedYes• DHCP Opton 78Yes•	• HTTP	Yes
• FTPYes• BOOTPYes• GMRPYes• DCPYes• LLDPYes• SMMP v1Yes• SMMP v2Yes• SMMP v3Yes• SMMP v3Yes• SMMP v3Yes• SMMP v3Yes• SMMP v4Yes• SMMP v3Yes• SMMP v3Yes• SMMP v4Yes• SMMP v4Yes• SMMP v5Yes• SMMP v5Yes• SMMP v6Yes• SystopYes• SystopYes• SystopYes• SystopYes• SystopYes• SystopYes• VLAN - port basedYes• VLAN + ProbasedYes• VLAN s - opnime / maximum285• NUMP of VLANs - opnime / maximum285• DHCP Option 82Yes• Systop of J CYPPYes• DHCP Option 82Yes• DHCP Option 82Yes• Serve / running / runningYes• Static Proving / runningYes• Static Proving / runningYes• Static Proving / running / YesYes• Static Proving / runn	• HTTPS	Yes
• BOOTPYes• DOCPYes• LDPYes• LDPYes• LIMPYes• SMMP v1Yes• SMMP v2Yes• SMMP v3Yes• ISMMP v3Yes• VIAN - Protocol-basedYes• VIAN - Protocol-based	• TFTP	Yes
- AMRPYes- DCPYes- ELRPNeUPYes- ELRPNeUPYes- SNMP V1Yes- SNMP V2Yes- SNMP V3Yes- SNMP V4Yes- SNMP v6Yes- Snd statistics Packet SizeYes- UNAN - protoend-basedYes- VLAN - protoend-basedYes- VLAN - protoend / Samu255- number of VLANs - dynamic / maximum255- DHCP Option 82Yes- DHCP Option 82Yes- DHCP Option 82Yes- DHCP Option 82Yes- Static IP routing INPAYes- Static IP routing INPAYes- Static IP routing INPAYes- Static IP routing INPAYes- Static	• FTP	Yes
• DCPYes• LLDPYes• EtherNet//PYes• SINIP v1Yes• SINIP v2Yes• SINIP v3Yes• V1AN v1Protoci-basedYes• DHCP Option 8	• BOOTP	Yes
• LLDPYes• EMPN 4UPYes• SNMP V1Yes• SNMP V2Yes• SNMP V3Yes• ISMO (encoping/querier)Yes• ISMO + device specific informationYes• product functions / diagnosticsYes• product functions / diagnosticsYes• statistics packet SizeYes• SyslogYesproduct functions // LANYesproduct functions // LANYes• VLAN - protosedYes• VLAN - protosedYes• VLAN - protosedYes• VLAN - Maximum255runter of VLANs - dynamic / maximum255product functionYes• DHCP Option 82Yes• DHCP Option 83Yes• DHCP Option 83Yes• DHCP Option 83Yes• DHCP Option 84Yes• DHCP Option 85Yes• DHCP Option 86Yes• DHCP Option 87Yes• DHCP Option 86Yes• DHCP Option 87Yes• DHCP Option 86Yes• DHCP Option 86Yes• DHCP Option 87Yes• DHCP Option 86Yes• DHCP Option 86Yes<	• GMRP	Yes
• EtherNet/IPYes• SIMIP v1Yes• SIMIP v2Yes• IGMP (snoophgquer)Yes• IEdMC (acophgquer)Yes• IEdMC (acophgquer)Yes• IEdMC (acophgquer)Yes• IEdMC (acophgquer)Yes• IEdMC (acophgquer)Yes• IEdMC (acophgquer)Yesproduct function & maintenance functionYes• IEdMC (acopher)Yesproduct functions / clapnosticsYes• statistics Packet SizeYes• statistics Packet SizeYes• endr statisticsYes• endr statisticsYes• yord dagmet functionYes• VLAN - portosedYes• VLAN - IP-basedYes• VLAN - IP-basedYes• VLAN - IP-basedYes• VLAN - Option 65Yes• DHCP Option 82Yes• DHCP Option 82Yes• DHCP Option 82Yes• DHCP Option 85Yes• DHCP Option 66Yes• otatic IP routing IPv6Yes• OSFrV	• DCP	Yes
• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• Identification & maintenance functionYes• Identification & JeaporatesYes• product functionYes• statisticsYes• statistics packet typeYes• statistics packet typeYes• statistics packet typeYes• statisticsYes• statistics packet typeYes• VLAN - port basedYes• VLAN - port basedYes• VLAN - protocal functionYes• product functionYes• product functionYes• DHCP Option 63Yes• DHCP Option 66Yes• DHCP Option 67Yes• static IP routingYes• static IP routing IPv6Yes• other IPv6Yes• other IPv6Yes• other IPv6Yes• other IPv6Yes• OSFPv2Yes• O	• LLDP	Yes
• SNMP v2Yes• SNMP v3Yes• IGMP (exoping/querier)Yesidentification & maintenance functionYes• IRM0 - device-specific informationYes• RAM1 - higher level designation/location designationYesproduct functions / diagnosticsYesproduct functionsYes• exot diagnostics packet typeYes• exot function / VLANYes• VLAN - port basedYes• VLAN - port basedYes• VLAN - protocol-basedYes• VLAN - protocol-basedYes• VLAN - In-basedYes• VLAN - Indexinum255• product functionsYesproduct functionsYes• DHCP Option 62Yes• DHCP Option 63Yes• DHCP Option 64Yes• UHCP Option 65Yes• UHCP Option 66Yes• UHCP Option 67Yes• exitatic IP routing IPv6Yes• otatic IP routing IPv6Yes• otatic IP routing IPv6Yes• otatic IP routin	EtherNet/IP	Yes
• SNMP v3 Yes • IGMP (encoping/querier) Yes • IGMP (encoping/querier) Yes • IBMO - device-specific information Yes • IBMO - device-specific information Yes • Product function Yes • product function Yes • product function Yes • ialiatics packet Size Yes • aliatics packet Size Yes • error statistics Yes • ordut functions / / LAN Yes product functions / / LAN Yes • aliatics packet Size Yes • systol Yes • ordut functions / / LAN Yes product functions / / LAN Yes • VLAN - port based Yes • UROP Option 82 Yes • DHCP Cleint Yes • DHCP Option 82 Yes • DHCP Option 87 Yes <td>• SNMP v1</td> <td>Yes</td>	• SNMP v1	Yes
• IGMP (snooping/querier) Yes identification & maintenance function Yes • IGMO - devices-specific information Yes product functions / lagnostics Yes product functions Yes • statistics Packet Size Yes • statistics packet type Yes • orror statistics Yes • vickan - protocol-based Yes • VLAN - protocol-based Yes • VLAN - protocol-based Yes • VLAN - IP-based Yes • VLAN - Myamin / maximum 255 number of VLANs - dynamic / maximum 255 protoci / tissupported / CVPP Yes protoci functions / DHCP Yes protoci functions / DHCP Yes protoci function / PhCP Yes protoci function / PhCP Yes protoci function / PhCP Yes protoci function	• SNMP v2	Yes
identification & maintenance function Yes i.MM - device-specific information Yes i.MM - device-specific information Yes product functions / diagnostics Yes product functions / diagnostics Yes e. ord diagnostics Yes e. etailstics packet Size Yes e. etailstics packet type Yes e. error statistics Yes error statistics Yes product functions / VLAN Yes product function vLAN - port based Yes vLAN - protocol-based Yes vLAN - protocol-based Yes vLAN - protocol-based Yes vumber of VLANs - dynamic / maximum 255 number of VLANs - dynamic / maximum 255 product functions / DHCP Yes product functions Yes o. HICP Option 65 Yes o. HICP Option 67 Yes	• SNMP v3	Yes
• I&M0 - device-specific information Yes • I&M1 - higher level designation/location designation Yes product function - • port diagnostics Yes • elatistics Packet Size Yes • elatistics Packet Size Yes • elatistics packet type Yes • elatistics packet type Yes • elatistics packet type Yes • statistics packet type Yes • Syst.cg Yes product function Yes • VLAN - port based Yes • VLAN - port based Yes • VLAN - port based Yes • VLAN - IP-based Yes • VLAN - IP-based Yes • VLAN - IP-based Yes product functions / DICP	IGMP (snooping/querier)	Yes
i&M1 - higher level designation/location designation Yes product functions • port diagnostics Yes • statistics Packet Size Yes • statistics packet type Yes • error statistics Yes • error statistics Yes • ordeut functions / VLAN Yes product functions / VLAN Yes ordeut functions / VLANs / maximum 255 number of VLANs / maximum 255 product functions / DRCP Yes product function Yes • DHCP Option 82 Yes • DHCP Option 63 Yes • DHCP Option 64 Yes ordeut function Yes • DHCP Option 67 Yes • DHCP Option 67 Yes • DHCP Option 67 Yes • OHCP Option 67 <	identification & maintenance function	
product functions / diagnostics • port diagnostics • estatistics packet Size • tatistics packet type • tatistics packet type • estatistics • estatistic • estatistics • estatic	 I&M0 - device-specific information 	Yes
product function Yes • part diagnostics Yes • statistics Packet Size Yes • statistics packet type Yes • error statistics Yes • statistics packet type Yes • statistics packet type Yes • statistics packet type Yes • product functions / VLAN Product functions / VLAN product functions Yes • VLAN - port based Yes • VLAN - protocol-based Yes • VLAN - IP-based Yes • VLAN - IP-based Yes • VLAN dynamic Yes number of VLANs / maximum 255 product functions / DHCP Yes product function • DHCP Option 62 Yes • DHCP Option 63 Yes • DHCP Option 64 Yes • DHCP Option 67 Yes product function • static IP routing Yes • optice / routing / PV6 Yes product function	 I&M1 - higher level designation/location designation 	Yes
• port diagnosticsYes• statistics Packet SizeYes• error statisticsYes• error statisticsYes• SysLogYesproduct function///////////////////////////////	product functions / diagnostics	
• statistics Packet SizeYes• statistics packet SizeYes• error statisticsYes• SysLogYesproduct functions /VLAN///////////////////////////////	product function	
• statistics packet type Yes • error statistics Yes • SysLog Yes product function //LAN • VLAN - port based Yes • Draduct function 255 product functions / DHCP Yes product functions / DHCP Yes • DHCP Option 62 Yes • DHCP Option 63 Yes • DHCP Option 66 Yes • DHCP Option 67 Yes product function IP routing integrated product function Yes • static IP routing IPv6 Yes • dynamic IP routing IPv6 Yes	 port diagnostics 	Yes
• error statistics Yes syst.og Yes product functions / VLAN • VLAN - port based Yes • VLAN - port based Yes • VLAN - protocol-based Yes • VLAN - dynamic Yes • VLAN - dynamic Yes product functions / DVP Yes • DHCP Option 62 Yes • DHCP Option 66 Yes • DHCP Option 67 Yes product function Yes • DHCP Option 66 Yes • DHCP option 67 Yes product function Yes • DHCP option 67 Yes product function Yes • DHCP option 67 Yes product function Yes • optiong i Produing i Prod Yes • optiong i Product Yes • optiong i Produing i Pro	 statistics Packet Size 	Yes
• SysLogYesproduct functions / VLANproduct function• VLAN - port based• VLAN - port based• VLAN - port based• VLAN - protocol-based• VLAN - IP-based• VLAN dynamicrumber of VLANs - maximum255number of VLANs - dynamic / maximum255product functions / DICPproduct function• DHCP Option 62• DHCP Option 65• VEAP Option 667vesproduct functions / routing• static IP routing IPv6• static IP routing IPv6• dynamic IP routingYes• dynamic IP routing• static IP routing IPv6• Systend• dynamic IP routingYes• dynamic IP routingYes• dynamic IP routing IPv6• Systend• RIPv2• RIPv2• Sign Piv6• Satic IP routing IPv6• Systended• RIPv6 for IPv6• VRRP• VRRP for IPv6• VRRP• VRRP for IPv6• VRRP• VRRP for IPv6• VRRP• VRRP• VRRP for IPv6• VRRP• VRRP• VRRP• VRRP• VRRP• VRRP• VRRP• VRRP• VRRP <t< td=""><td> statistics packet type </td><td>Yes</td></t<>	 statistics packet type 	Yes
product function product function • VLAN - protocol-based • VLAN dynamic • VLAN dynamic • VLAN dynamic rumber of VLANs / maximum 255 number of VLANs - dynamic / maximum 255 product functions / DHCP product function • DHCP Option 62 • DHCP Option 66 Yes • DHCP Option 66 Yes • DHCP Option 67 yes • obtic IP routing service / routing / note istalic IP routing IPv6 yes • dynamic IP routing IPv6 yes odynamic IP routing IPv6 istalic IP routing IPv6 ves <tr< td=""><td>error statistics</td><td>Yes</td></tr<>	error statistics	Yes
product function Yes • VLAN - prot based Yes • VLAN - protocol-based Yes • VLAN - protocol-based Yes • VLAN - protocol-based Yes • VLAN dynamic Yes • VLAN dynamic Yes number of VLANs / maximum 255 number of VLANs / aximum 255 protocol / is supported / GVRP Yes product functions / DHCP Yes product function • DHCP Option 82 Yes • DHCP Option 66 Yes • DHCP Option 67 Yes product function IP routing integrated product function service / routing / note IP routing integrated product function Yes • bHCP Option 67 Yes otatic IP routing IPv6 Yes • static IP routing IPv6 Yes • dynamic IP routing IPv6 Yes • dynamic IP routing IPv6 Yes • RIPN2 Yes • RIPN2 Yes • OSPFv3 for IPv6 Yes • VRP Yes • VRPP Yes • VRPP Yes	• SysLog	Yes
VLAN - port basedYes·VLAN - protocol-basedYes·VLAN - IP-basedYes·VLAN dynamicYesnumber of VLANs / maximum255number of VLANs - dynamic / maximum255protocol / is supported / GVRPYesproduct functionYesDHCP Option 82YesDHCP Option 66YesDHCP Option 67Yesproduct function / o DHCP Option 67Yesservice / routing / noteIP routing integratedproduct functionYesservice / routing IPv6Yesother Drouting IPv6Yesestatic IP routing IPv6Yesodynamic IP routing IPv6Yesetter IP routing IPv6Yesprotoced / is supportedYesprotoced / washic IP routing IPv6Yesetter IPv6Yesvorting IPv6Yesvorting IPv6Yesvorting IPv6Yesvorting IPv6Yesvorted IPv6Yesvorted IPv6Yesvorted Virs IPv6Yes<	product functions / VLAN	
• VLAN - protocol-basedYes• VLAN - IP-basedYes• VLAN dynamicYesnumber of VLANs / maxinum255number of VLANs / maxinum255protocol / is supported / GVRPYesproduct functionYesproduct function S2Yes• DHCP Option 82Yes• DHCP Option 66Yes• DHCP Option 67Yesproduct functionIP routing integratedproduct functionYes• DHCP Option 67Yes• DHCP Option 67Yesproduct functionYes• product functionYes• product functionYes• product functionYes• product functionYes• product functionYes• product functionYes• static IP routingYes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• RIPv2Yes• OSPFv3 for IPv6Yes• VRRP For IPv6Yes• VRRP for IPv6Yes• VRRP for IPv6Yes	product function	
• VLAN - IP-basedYes• VLAN dynamicYesnumber of VLANs / maximum255protocol / is supported / GVRPYesproduct functions / DHCPYesproduct function 66Yes• DHCP Option 62Yes• DHCP Option 66Yes• DHCP Option 67Yesproduct functionYes• DHCP Option 67Yesproduct functionYes• DHCP Option 67Yesproduct functionYes• DHCP Option 67Yesproduct functionYesproduct functionYes• DHCP Option 67Yesproduct functionYesproduct functionYes• product functionYes• product functionYes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• RIPr04 for IPv6Yes• OSPFv3 for IPv6Yes• VRRP for IPv6Yes• VRRP for IPv6Yes	 VLAN - port based 	Yes
• VLAN dynamicYesnumber of VLANs / maximum255number of VLANs - dynamic / maximum255protocol / is supported / GVRPYesproduct functions / DHCPproduct functions / DHCP Option 82Yes• DHCP Option 66Yes• DHCP Option 67Yesproduct functions / routingService / routing / noteproduct functionIP routing integratedproduct functionYes• DHCP Option 67Yesproduct functions / routingYes• DHCP Option 67Yesproduct functions / routingYesservice / routing / noteIP routing integratedproduct functionYes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• OSPFv3 for IPv6Yes• OSPFv3 for IPv6Yes• VRRP for IPv6Yes• VRRP for IPv6Yes• VRRP for IPv6Yes	 VLAN - protocol-based 	Yes
number of VLANs / maximum255number of VLANs - dynamic / maximum255protocol / is supported / GVRPYesproduct functions / DHCPproduct function/ HCPo DHCP Option 82Yes• DHCP Option 66Yes• DHCP Option 67Yesproduct function/ Yes• DHCP Option 67Yes• DHCP Option 67Yesproduct functions / routing/ Yesservice / routing / noteIP routing integratedproduct function/ Yes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• RIPv2Yes• OSPFv2Yes• OSPFv2Yes• OSPFv2Yes• VRRPYes• VRRP for IPv6Yes• VRRP for IPv6Yes	VLAN - IP-based	Yes
number of VLANs - dynamic / maximum255protocol / is supported / GVRPYesproduct functions / DHCPproduct function• DHCP clientYes• DHCP Option 82Yes• DHCP Option 66Yes• DHCP Option 67Yesproduct functions / routingYesservice / routing / noteIP routing integratedproduct functionYesotting / noteYesproduct functionYesestrice / routing IPv6Yesotting IPv6Yesedynamic IP routing IPv6Yesotting IPv2YeseRIPro2YeseRIPro2Yese RIPv2Yese OSPFv2Yese OSPFv2Yese OSPFv2Yese OSPFv2Yese OSPFv2Yese VRRPYese VRRPYese VRRP for IPv6Yese VRRP for IPv6Yes	VLAN dynamic	Yes
protocol / is supported / GVRPYesproduct functions / DHCP• DHCP clientYes• DHCP Option 82Yes• DHCP Option 66Yes• DHCP Option 67Yes• DHCP Option 67Yesproduct functions / routingYesservice / routing / noteIP routing integratedproduct functionYes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• OSPFv2Yes• OSPFv2Yes• VRRPYes• VRRP for IPv6Yes• VRRP for IPv6Yes	number of VLANs / maximum	255
product functions / DHCPproduct function• DHCP client• DHCP Option 82• DHCP Option 66• DHCP Option 67Yes• DHCP Option 67Yesproduct functions / routingservice / routing / noteIP routing integratedproduct function• static IP routingYes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2• RIPv2• RIPv6 for IPv6• OSPFv2• OSPFv2• VRRP• VRRP for IPv6Yes• VRRP for IPv6• Ves• VRRP for IPv6• Ves• VRRP for IPv6• Ves• VRRP for IPv6• Ves• VRE• VRE	number of VLANs - dynamic / maximum	255
product function• DHCP clientYes• DHCP Option 82Yes• DHCP Option 66Yes• DHCP Option 67Yesproduct functions / routingYesservice / routing / noteIP routing integratedproduct function'Yes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• OSPFv2Yes• OSPFv2Yes• OSPFv2Yes• VRRPYes• VRRP for IPv6Yes• VRRP for IPv6Yes	protocol / is supported / GVRP	Yes
• DHCP clientYes• DHCP Option 82Yes• DHCP Option 66Yes• DHCP Option 67Yesproduct functions / routingIP routing integratedservice / routing / noteIP routing integratedproduct functionYes• static IP routing IPv6Yes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• RIPv5Yes• OSPFv2Yes• OSPFv2Yes• OSPFv2Yes• VRRPYes• VRRP for IPv6Yes• VRRP for IPv6Yes	product functions / DHCP	
• DHCP Option 82Yes• DHCP Option 66Yes• DHCP Option 67Yesproduct functions / routingIP routing integratedservice / routing / noteIP routing integratedproduct functionYes• static IP routingYes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• RIPv2Yes• OSPFv2Yes• OSPFv2Yes• OSPFv2Yes• VRRPYes• VRRP for IPv6Yes• VRRP for IPv6Yes	product function	
• DHCP Option 66Yes• DHCP Option 67Yesproduct functions / routingIP routing integratedservice / routing / noteIP routing integratedproduct functionYes• static IP routing IPv6Yes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• RIPv6 for IPv6Yes• OSPFv2Yes• OSPFv2Yes• VRRPYes• VRRP for IPv6Yes• VRRP for IPv6Yes	DHCP client	Yes
• DHCP Option 67Yesproduct functions / routingIP routing integratedservice / routing / noteIP routing integratedproduct functionYes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• OSPFv2Yes• OSPFv2Yes• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yes• VRRP for IPv6Yes	DHCP Option 82	Yes
product functions / routingservice / routing / noteIP routing integratedproduct functionYes• static IP routing IPv6Yes• dynamic IP routingYes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• grotocol / is supportedYes• RIPv2Yes• RIPnG for IPv6Yes• OSPFv2Yes• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yes• VRRP for IPv6Yes	DHCP Option 66	Yes
service / routing / noteIP routing integratedproduct functionYes• static IP routing IPv6Yes• dynamic IP routingYes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yesprotocol / is supportedYes• RIPv2Yes• RIPnG for IPv6Yes• OSPFv2Yes• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yes		Yes
product functionYes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yesprotocol / is supportedYes• RIPv2Yes• RIPnG for IPv6Yes• OSPFv2Yes• OSPFv2Yes• OSPFv2Yes• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yes• VRRP for IPv6Yes	product functions / routing	
• static IP routingYes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• protocol / is supportedYes• RIPv2Yes• RIPnG for IPv6Yes• OSPFv2Yes• OSPFv2Yes• OSPFv2Yes• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yes	service / routing / note	IP routing integrated
• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• protocol / is supportedYes• RIPv2Yes• RIPnG for IPv6Yes• OSPFv2Yes• OSPFv2Yes• OSPFv2Yes• VRRPYes• VRRP for IPv6Yes• VRRP for IPv6Yes	product function	
• dynamic IP routingYes• dynamic IP routing IPv6Yesprotocol / is supportedYes• RIPv2Yes• RIPnG for IPv6Yes• OSPFv2Yes• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yes• VRRP for IPv6Yes	static IP routing	Yes
• dynamic IP routing IPv6Yesprotocol / is supportedYes• RIPv2Yes• RIPnG for IPv6Yes• OSPFv2Yes• OSPFv2Yes• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yes	static IP routing IPv6	
protocol / is supported Yes • RIPv2 Yes • RIPnG for IPv6 Yes • OSPFv2 Yes • OSPFv3 for IPv6 Yes • VRRP Yes • VRRP for IPv6 Yes	dynamic IP routing	Yes
RIPv2YesRIPnG for IPv6YesOSPFv2YesOSPFv3 for IPv6YesVRRPYesVRRP for IPv6Yes	dynamic IP routing IPv6	Yes
• RIPnG for IPv6Yes• OSPFv2Yes• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yes		
• OSPFv2 Yes • OSPFv3 for IPv6 Yes • VRRP Yes • VRRP for IPv6 Yes	RIPv2	Yes
• OSPFv3 for IPv6 Yes • VRRP Yes • VRRP for IPv6 Yes	RIPnG for IPv6	Yes
VRRP for IPv6 Yes Yes	OSPFv2	Yes
VRRP for IPv6 Yes	OSPFv3 for IPv6	Yes
	• VRRP	Yes
needuct functions / redundancy		Yes
product functions / redundancy	product functions / redundancy	
product function		

T4• for safety / from CSA and ULUL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03• for emitted interferenceEN 61000-6-4 (Class A)• for interference immunityEN 61000-6-2MTBF28 areference code• according to IEC 81346-2KF• according to IEC 81346-2:2019KFEstandards, specifications, approvals / CEcertificate of suitability / CE markingYescertificate of suitability / RoHS conformityYes; 2011/65/EUstandards, specifications, approvals / hazardous environmentsEN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEX DEK 14.0025X		
• Figs Specific Relandancy Protocil (HRP) Yes • High Specific Relandancy Protocil (HRP) with redundancy manager Yes • India Relandancy Protocil (MRP) with standary related in the standary redundancy from the standary related in the standary redundancy from the standary related in the standard relation of the supported / Media Relandancy Protocil (MRP). Yes • India Relandancy protocil (MRP) with redundancy manager Yes Yes • India Relandary protocil (MRP) with redundancy manager Yes • India Relandary protocil (MRP) with redundancy manager Yes • India Relandary protocil (MRP) with redundancy manager Yes • India Relandary protocil (MRP) with redundancy manager Yes • India Relandary protocil (MRP) Yes • ACL - India Relandary protocil (MRP) Yes <td< td=""><td></td><td>Yes</td></td<>		Yes
+ High Speed Redundancy Protocol (HRP) Yes • High Speed Redundancy protocol (HRP) with redundancy Yes • High Speed redundancy protocol (HRP) with redundancy Yes • media redundancy protocol (MRP) with redundancy Yes • media redundancy protocol (MRP) with redundancy Yes • media redundancy protocol (MRP) Yes • media redundancy protocol (MRP) Yes • media redundancy protocol (MRP) Yes • for a PROFINET To device / is supported / H-Sync Yes • redundancy protocol (MRP) Yes </td <td></td> <td>Yes</td>		Yes
• inji geset redundancy protocol (HRP) with redundancy manager Yes • inji geset redundancy protocol (MRP) with stanoty redundancy. Yes • media redundancy protocol (MRP) with redundancy manager Yes • Media Redundancy protocol (MRP) Yes • effectional family Yes • protocol / is supported Yes • ACL - AMC-based Yes • Still Yes • protocol / is supported Yes • Still Colck support Yes • Still Colc		
mings geef relundancy protocol (HRP) with standay Yes product function		
• high speed redundancy protocol (HRP) with standby Yes protocol // is supported / Media Redundancy Protocol (MRP) Yes protocol // is supported / Media Redundancy Yes • media redundancy protocol (MRP) with redundancy Yes • of the PC/DINET TO device / is supported / H-Sync Yes • redundancy procodure STP Yes • redundancy procodure STP Yes • redundancy procodure RSTP Yes • redundancy function Yes • redundancy function Yes • redundancy function Yes • redundancy function Yes <td></td> <td></td>		
product function • mode redundancy protocol (MRP) with redundancy • Media Redundancy Protocol Interconnection (MRP-1) • of the RPENET ID device / is supported (HSP) • redundancy procedure RSTP Yes • reduct functions / security Yes protocol / is supported Yes • SSH Yes • SSL Yes product function / security • SSL Yes <td></td> <td>Yes</td>		Yes
• media reductancy protocol (MRP) with redundancy manager Yes • Media Redundancy protocol Interconnection (MRP-4) Yes • of the PROFINET IO device / is supported / H-Sync Yes • redundancy procedure RSTP Yes • reduction / supported Yes • reduction / supported Yes • ACL - PMAC-based Yes • reduction / supported Yes • SSH Yes • SSL Yes product function Yes • SSL Yes product function Yes • SSL Yes * SSLCCK supported Yes • SNTP dient Yes </td <td>protocol / is supported / Media Redundancy Protocol (MRP)</td> <td>Yes</td>	protocol / is supported / Media Redundancy Protocol (MRP)	Yes
manager Media Redundancy Protocol Interconnection (MRP-1) Yes of the PROFINET IO device / is supported / H-Sync Yes forwarding Yes endundancy procedure STP Yes redundancy procedure MSTP Yes industry procedure MSTP Yes protocol // is supported Yes industry procedure MSTP Yes protocol // is supported Yes industry procedure MSTP Yes protocol // is supported Yes industry procedure MSTP Yes protocol // is supported Yes industry procedure MSTP Yes industry procedure MSTP Yes industry procedure MSTP Yes protocol // is supported Yes intel CE R25, 1k (adius) Yes protocol // is supported Yes introl / function Yes introl / function Yes introl / function Yes introl / function Yes introl / for subported Yes <	product function	
• of the PRCFINET IC device / is supported / H-Sync Yes • redundancy procedure RSTP Yes • redundancy procedure MSTP Yes • protocol / is supported Yes • LACP Yes protocol / is supported Yes • ACL - MAC-based Yes • Dradease functions / security Yes protocol / is supported Yes • ACL - ACA-based Yes • Dradease functions / inse Yes • Dradease functions / inse Yes protocol / function / configuration in RUN via CR/H-CR Yes • SIL Cos support Yes • SIL Cos support Yes • SIC Cos support Yes <td></td> <td>Yes</td>		Yes
forwarding Yes • redundancy procedure RSTP Yes • passive listening Yes • protect /is supported Yes • LACP Yes protect /is supported Yes • ACL - NortiMAC-based Yes • ACL - IntriAndo-based Yes • Test detail Yes • broadcast/multicast/induce/stased Yes • SNTP Yes • SNTP Yes • SNTP Yes • SNTP Yes • broadcast/multicastion Yes • broadcast/multicastion Yes • broadcastione/stase Yes • brodo	 Media Redundancy Protocol Interconnection (MRP-I) 	Yes
redundancy procedure RSTP Yes redundancy procedure RSTP+ Yes redundancy procedure RSTP Yes rotocol / is supported redundancy procedure RSTP Yes rotocol / is supported SSH rotocol / is supported SSH Yes SSH Yes rotocol / is supported SSH Yes SSH Yes SSH Yes rotocol / is supported SSH Yes		Yes
redundancy procedure RSTP+ redundancy procedure MSTP ves passive listering Yes protocol // is supported LACP Yes product functions / security product functions ACL - MAC-based Yes · ACL - MAC-based Yes · ACL - MAC-based Yes · ACL - AAC-based Yes · EEE 802.1x (radus) Yes · broadcast blocking Yes · SSH	 redundancy procedure STP 	Yes
redundancy procedure MSTP yes passive listening Yes protocol / is supported LACP Yes product functions / security product function ACL - NotAC-based Yes ACL - NotAC-based Yes Ves Ves	 redundancy procedure RSTP 	Yes
• passive listening Yes protocol / is supported · • LACP Yes product functions / sourcity · product functions / sourcity · • ACL - MAC-based Yes • ACL - MAC-based Yes • ACL - MAC-based Yes • broadcast/multicast/milest limiter Yes • broadcast blocking Yes • broadcast blocking Yes • broadcast blocking Yes • SSL Yes • SSL Yes • SSL Yes • SICLOCK support Yes • SITH Yes * SITH Yes * SITH Yes * SITH Ye	 redundancy procedure RSTP+ 	Yes
protocol / is supported Yes • LACP Yes product functions / security product functions / security • ACL - profMAC-based Yes • ACL - profMAC-based Yes • IEEE 802.1x (radus) Yes • braadcast/multicast/unitast limiter Yes • braadcast/multicast/unitast limiter Yes • braadcast/multicast/unitast limiter Yes • braadcast/multicast blocking Yes protocol / is supported Yes • SSH Yes • SSL Yes product functions / fine Yes protocol / is supported Yes • NTP- client Yes • SNTP Yes System modification during operation Yes standards, specifications, approvals Standard • for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group III T4 • for safety / from CSA and UL UL 508, UL 60950-1, CSA C22 2. Nr. 60950-1-03 • for interference inmunity EN 61000-6-2 MTBF 28 a reference code * • according to IEC 81346-2 KF • according to IEC 81346-2 KF • according to IEC 81346-2 KF • according to IEC 81346-	 redundancy procedure MSTP 	Yes
• LACP Yes product functions / security	passive listening	Yes
product functions / security product function • ACL - MAC-based • ACL - MAC-based • EEE 802 1x (radus) • Ibradcast blocking protocol / is supported • SSH • SICLOCK support • SNTP • SNTP • SNTP • SNTP • SontPoleint • for remitide inderge paration product function / configuration in RUN via CIRH-CIR standard • for remitide interference = for safety / from CSA and UL • for remitide interference • for or safety / from CSA and UL <t< td=""><td>protocol / is supported</td><td></td></t<>	protocol / is supported	
product function Yes • ACL - MAC-based Yes • ACL - MAC-based Yes • ACL - portMAC-based Yes • IEEE 802.1x (radius) Yes • broadcast/multicast/unicast limiter Yes • broadcast/multicast/unicast limiter Yes • broadcast/multicast/unicast limiter Yes • broadcast/multicast/unicast limiter Yes • protocol / is supported Yes • SSIL Yes product function Yes • SICL COK support Yes • SICL COK support Yes • NTP-client Yes • NTP Yes system modification during operation Yes product function / configuration in RUN via CIRH-CIR Yes standard FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group III T4 • for rEM T4 • for antity from CSA and UL UL 508, UL 60950-1, CSA C22 2 Nr. 60950-1-03 • for interference immunity EN 61000-6-2 • for interference immunity KF standards, specifications, approvals / CE Yes • ecording to EC 81346-2 KF • scoording to EC 81346-2 KF • for interference immunity Yes Standards, specific		Yes
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ACL - portIMAC-based Yes IEEE 802.1x (radius) Yes Foreadcast blocking Yes broadcast blocking Yes broadcast blocking Yes protocol / is supported SSH Yes Yes SSH Yes Yes SSH Yes Yes SSL Yes Yes Yes SSL Yes Yes Yes SSL Yes Yes SSL Yes Yes SSL Yes Yes SSL Yes Yes	product function	
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• broadcast/multicast/unicast limiter Yes • broadcast blocking Yes protocol / is supported • SSL Yes Yes • SSL Yes Yes • SSL Yes Product functions / time product functions / time product function • SICLOCK support * SICLOCK support Yes • SITP client Yes • SNTP client Yes • SNTP client Yes • SNTP client Yes • SNTP client Yes * Source Client Client * NIP * Source Client * Source Client * Source Client * Source		
• broadcast blocking Yes protocol / is supported * • SSH Yes • SSL Yes product functions / time * product function * • SICL COCK support Yes • SICE COCK support Yes • SITP client Yes • NTP-client Yes • NTP Yes • SNTP Yes • SNTP Yes system modification during operation * product function / configuration in RUN via CIR/H-CIR Yes standards, specifications, approvals * standards * • for FM Yes • for interference EN 61000-64 (Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group III • for initerference immunity EN 61000-64 (Class A) • for interference immunity EN 61000-64 (Class A) • for		
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• SSL Yes product functions / time		
product functions / time product function • SICLOCK support • NTP-client • SNTP client protocol / is supported • NTP • NTP • SNTP protocol / is supported • NTP • NTP • SNTP protocol / is supported • NTP • SNTP reduct function / configuration in RUN via CIR/H-CIR Yes standards, specifications, approvals standard • for FM • for rFM • for safety / from CSA and UL • for interference immunity EN 61000-6-4 (Class A) • for interference immunity EN 61000-6-2 MTBF • according to IEC 81346-2 • for interference code • according to IEC 81346-2 • KFE standards, specifications, approvals / CE certificate of suitability / RoHS conformity Yes; 2011/65/EU standards, specifications, approvals / Net/Sconformity Yes; 2011/65/EU standards, specifications, approvals /		
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• SNTP client Yes protocol / is supported . • NTP Yes • SNTP Yes system modification during operation		
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• for emitted interference EN 61000-6-4 (Class A) • for interference immunity EN 61000-6-2 MTBF 28 a reference code KF • according to IEC 81346-2 KF • according to IEC 81346-2.2019 KFE standards, specifications, approvals / CE En 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEX DEK 14.0025X • from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4	 for safety / from CSA and UL 	UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03
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MTBF 28 a reference code KF • according to IEC 81346-2 KF • according to IEC 81346-2:2019 KFE standards, specifications, approvals / CE E certificate of suitability / CE marking Yes certificate of suitability / RoHS conformity Yes; 2011/65/EU standards, specifications, approvals / hazardous environments EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEx DEK 14.0025X • from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4		
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standard / for hazardous zone EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEx DEK 14.0025X • from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4 certificate of suitability ISA 12.12.01 - 2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4	certificate of suitability / RoHS conformity	Yes; 2011/65/EU
from CSA and UL if from CSA and UL if from CSA and UL is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4 is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C is A 12.12.01-2012 (Hazardous Location), Cl	standards, specifications, approvals / hazardous environments	
D / T4, Class 1 / Zone 2 / Group IIC / T4	standard / for hazardous zone	EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X, IECEx DEK 14.0025X
	• from CSA and UL	ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
CCC / for hazardous zone according to GB standard Yes		
	 CCC / for hazardous zone according to GB standard 	Yes

• CCC / for hazardous zone according to GB standard / as	
marking	

Ex nA IIC T4 Gc

marking	
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
KC approval	Yes
standards, specifications, approvals / marine classification	
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
 French marine classification society (BV) 	Yes
• DNV GL	Yes
 Lloyds Register of Shipping (LRS) 	Yes
 Nippon Kaiji Kyokai (NK) 	Yes
 Polski Rejestr Statkow (PRS) 	Yes
 Royal Institution of Naval Architects (RINA) 	Yes
further information / internet links	
internet link	
 to web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-selection-tool
 to website: Industrial communication 	http://www.siemens.com/simatic-net
to website: Industry Mall	https://mall.industry.siemens.com
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