# **SIEMENS**

#### **Data sheet**

## 6GK5552-0AA00-2AR2

SCALANCE XR552-12M; managed IE switch; 19" rack; 4x 1000/10000 Mbit/s SFP+; 12x 100/1000 Mbit/s 4-port media modules, electrical, electrical PoE or optical; LED diagnostics; error signaling contact; Select/set pushbutton, PROFINET IO device, network management, integrated redundancy manager; office features (RSTP, VLAN, IGMP, ...); C-plug in scope of delivery Layer 3 prepared; ports in the front



product type designation	SCALANCE XR552-12M
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s
interfaces / for communication / maximum configuration for mo	dular devices
number of electrical ports / maximum	48
number of optical ports / maximum	52
interfaces / for communication / integrated	
number of electrical connections	
<ul> <li>for network components or terminal equipment</li> </ul>	RJ45
<ul> <li>for Power-over-Ethernet / for network components or terminal equipment</li> </ul>	12
number of electrical connections	
• for SFP+	4
interfaces / for communication / plug-in	
number of 100 Mbit/s ST(BFOC) ports	
• for multimode	48
• for single mode (LD)	48
number of 1000 Mbit/s SC ports	
• for multimode	48
• for single mode (LD)	48
number of electrical connections	
• for SFP	4
• for SFP+	4
interfaces / other	
number of electrical connections	
<ul> <li>for operator console</li> </ul>	1
<ul> <li>for management purposes</li> </ul>	1
<ul> <li>for signaling contact</li> </ul>	1
<ul> <li>for media module</li> </ul>	12
for power supply	1
type of electrical connection	
<ul> <li>for operator console</li> </ul>	RJ11
<ul> <li>for management purposes</li> </ul>	RJ45
for signaling contact	2-pole terminal block
for power supply	4-pole terminal block
design of the removable storage	
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	27 V
at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
type of voltage supply / redundant power supply unit	No
supplied active power / of PSE / with PoE	,,,
• per port / maximum	30 W
total / maximum	180 W
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	34.08 W
• supply voltage / 1 / rated value	19.2 28.8 V
consumed current / 1 / maximum	12.5 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	0 60 °C
during operation     during storage	-40 +70 °C
during storage     during transport	-40 +70 °C
• note	Operation with integral fan, replaceable
relative humidity	, and the second
at 25 °C / without condensation / during operation /	95 %
maximum	
protection class IP	IP20
design, dimensions and weights	
design	19" rack
number of modular height units / relating to 19-inch cabinet	3
width	449 mm
height	130.8 mm
depth	305 mm
net weight	10 kg
fastening method	
<ul> <li>19-inch installation</li> </ul>	Yes
<ul> <li>35 mm top hat DIN rail mounting</li> </ul>	No
wall mounting	No
<ul> <li>S7-300 rail mounting</li> </ul>	No
S7-1500 rail mounting	No
type of cable outlet	Cable outlet at front
product features, product functions, product components / general	
cascading in cases of star topology	any (depending only on signal propagation time)
product functions / management, configuration, engineering	
product function	
• CLI	Yes
<ul> <li>web-based management</li> </ul>	Yes
-	
MIB support	Yes
<ul><li>MIB support</li><li>TRAPs via email</li></ul>	Yes
<ul><li>MIB support</li><li>TRAPs via email</li><li>configuration with STEP 7</li></ul>	Yes Yes
<ul> <li>MIB support</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>RMON</li> </ul>	Yes Yes Yes
<ul> <li>MIB support</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>RMON</li> <li>port mirroring</li> </ul>	Yes Yes Yes Yes
<ul> <li>MIB support</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>RMON</li> <li>port mirroring</li> <li>multiport mirroring</li> </ul>	Yes Yes Yes Yes Yes Yes
<ul> <li>MIB support</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>RMON</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>Cos</li> </ul>	Yes Yes Yes Yes Yes Yes Yes
<ul> <li>MIB support</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>RMON</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>CoS</li> <li>PROFINET IO diagnosis</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>MIB support</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>RMON</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>CoS</li> <li>PROFINET IO diagnosis</li> </ul> PROFINET conformity class	Yes
MIB support     TRAPs via email     configuration with STEP 7     RMON     port mirroring     multiport mirroring     CoS     PROFINET IO diagnosis  PROFINET conformity class product function / switch-managed	Yes
MIB support  TRAPs via email  configuration with STEP 7  RMON  port mirroring  multiport mirroring  Cos  PROFINET IO diagnosis  PROFINET conformity class  product function / switch-managed  telegram length / for Ethernet / maximum	Yes
MIB support TRAPs via email configuration with STEP 7 RMON port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class product function / switch-managed telegram length / for Ethernet / maximum protocol / is supported	Yes
MIB support  TRAPs via email  configuration with STEP 7  RMON  port mirroring  multiport mirroring  Cos  PROFINET IO diagnosis  PROFINET conformity class  product function / switch-managed  telegram length / for Ethernet / maximum  protocol / is supported  Telnet	Yes
MIB support  TRAPs via email  configuration with STEP 7  RMON  port mirroring  multiport mirroring  CoS  PROFINET IO diagnosis  PROFINET conformity class  product function / switch-managed  telegram length / for Ethernet / maximum  protocol / is supported  Telnet  HTTP	Yes
MIB support  TRAPs via email  configuration with STEP 7  RMON  port mirroring  multiport mirroring  Cos  PROFINET IO diagnosis  PROFINET conformity class  product function / switch-managed  telegram length / for Ethernet / maximum  protocol / is supported  Telnet	Yes

FIP	a ETD	Voo
CMAPP   Yes	• FTP	Yes
+ O.CP		
• LLDP		
SNMEP v1 SNMEP v2 SNMEP v3 SN		
SMIP 'As Monophrojequeriery Identification & maintenance function  SMIP 'As Monophrojequeriery  SMIP '		
Identification & mainternance function   Identification & mainternance function   Identification & mainternance function   Identification & mainternance function   Yes   Identification & Iden		
Identification & maintenance function  • (8M0 - Levice-specific information • (8M1 - higher level designation/location designation • (8M1 - higher level designation/location designation • (8M1 - higher level designation/location) • (8M1 - higher level designation/location) • (8M1 - higher level designation/location) • (8M1 - product functions) • (8M2 - product functions) • (9M2 - product function) • (9M3 - protocochased) •		
IAMD - device-specific information   Yes		Yes
### SAM - higher level designation/location designation product functions / diagnostics   Poet diagnostics		
product functions / diagnostics  product function  - port diagnostics - statistics Packet Size - statistics packet type - error statistics - Syst.og - Syst.og - Syst.og - Syst.og - Ves - product function - V.L.N port based - V.L.N port based - V.L.N port based - V.L.N port based - V.L.N Packet - V.L.N.	•	
product function  • port diagnostics  • statistics Packet Size  • statistics Packet Size  • statistics packet type  • error statistics  • SysLog  product functions  • VLAN - port based  • VLAN - port based  • VLAN - port based  • VLAN - protococh based  • VES  • VLAN - protococh		Yes
• port diagnostics     • statistics packet Size     • statistics packet type     • error statistics     • Systug     • error statistics     • Systug     product functions / VLAN     product functions / VLAN     produce functions / VLAN     produce functions / VLAN     produce function     • VLAN - protocol-based     • VLAN - Systum		
statistics Packet Size     statistics packet type     serior statistics     statistics packet type     serior statistics     syst.cg     product functions  VLAN - port based     vLAN - port based     vLAN - port based     vLAN - protoco-based     vLAN - protoco-base	·	
* statistics packet type     * error statistics     * SysUcg     Yes     SysUcg     Yes      Product functions /VLAN  product function     * VLAN - prot based     * VLAN - protocol-based     * VLAN - protocol-based     * VLAN - Post based     * VLAN - Protocol-based     * VLAN - Protocol-based     * VLAN - Protocol-based     * VLAN - VRAN		
error statistics Syst.og Yes Syst.og product functions / VLAN product function  • VLAN - protocol-based Yes • Drotocol-functions / protocol-based Yes • DHCP Option 67 Yes • DHCP Option 82 Yes • DHCP Option 68 Yes • DHCP Option 69 Yes • DHCP Option 69 Yes • DROTOCOL-function Yeotuting • static IP routing • static IP routing Yes • static IP routing IPV6 • Static IP routing IPV6 • Static IP routing IPV6 • Yes • dynamic IP routing IPV6 • Yes • dynamic IP routing IPV6 • Yes • OSSPFV2 • RIPV2 • RIPV2 • RIPV3 • VRRP • VRRP Yes • VRRP for IPV6 • Yes • VRRP • VRRP for IPV6 • Yes • VRRP • VRRP for IPV6 • Yes • VRRP Yes • VRRP for IPV6 • Yes • Injish Speed redundancy Protocol (HRP) With standby redundancy manager • Injish speed redundancy Protocol (HRP) with standby redundancy manager • Injish speed redundancy Protocol (HRP) with standby redundancy manager • Injish speed redundancy Protocol (HRP) with standby redundancy manager • Injish speed redundancy Protocol (HRP) with standby redundancy manager • Injish speed redundancy Protocol (HRP) with standby redundancy manager • Injish speed redundancy Protocol (HRP) with standby redundancy manager • Injish speed redundancy Protocol (HRP) with standby redundancy manager • Injish speed redundancy Protocol (HRP) with standby redundancy manager • Injish speed redundancy Protocol (HRP) with redundancy manager • Injish speed redundancy Protocol (MRP) with redundancy manager		
SysLog  Product functions / VLAN  product function  VLAN - port based  VLAN - protocol-based  VLAN - protocol-based  VLAN - protocol-based  VEAN - Protocol-based  VEAN - Protocol-based  VEAN - VLAN - Protocol - Protocol (HRP)  VES  Product function / Protocol (MRP) VES  VES  VES  VES  VES  VES  VES  VES	• • • • • • • • • • • • • • • • • • • •	
product functions / VLAN   prot based   Yes   VLAN - prot based   Yes   Yes   VLAN - prot based   Yes		
product function  • VLAN - protocol-based • VES • VLAN - protocol-based • VLAN - protocol-based • VES • VLAN - protocol-based • VES • Drotocol / is supported / GVRP  product functions • DHCP Option 67 • VES • DHCP Option 68 • DHCP Option 66 • DHCP Option 66 • DHCP Option 66 • DHCP Option 67 • YES • DHCP Option 67 • YES • Stalic IP routing / note product functions / routing • stalic IP routing   Protocol-based   IP routing in combination with KEY-PLUG XR-500  product function • stalic IP routing   Protocol-based   Yes • dynamic IP routing   Yes • dynamic IP routing   Protocol-based   Yes • dynamic IP routing   Protocol-based   Yes • dynamic IP routing   Protocol-based   Yes • CSPFv2 • CSPFv2 • CSPFv3 • CSPFv3 • VRRP • Yes • VRRP   Yes • VRRP or IPv6 • Yes • V		Yes
VLAN - protocol-based     VLAN - protocol-based     VLAN - Protocol-based     VLAN - IP-based     VLAN dynamic     ves     VLAN dynamic     ves     vulan VLAN - dynamic / maximum     z55     number of VLANs - dynamic / maximum     z55     protocol / is supported / GVRP     ves     protocol / is supported / GVRP     product functions / DHCP  product function     - DHCP Option 82     - DHCP Option 82     - Ves     - DHCP Option 67     - Ves     - DHCP Option 67     ves     product function     - static IP routing     service / routing / note     product function     - static IP routing / Yes     - dynamic IP routing   Yes     - dynamic IP routing   Yes     - dynamic IP routing   Yes     - gynamic IP routing   Yes     - RIPV2     - RIPN2     - RIPN2     - RIPN2     - RIPN6     - OSPFV2     - OSPFV2     - VRRP     - VRRP for IPV6     - VRRP     - VRRP or IPV6     - VRRP     - VRRP or IPV6     - Injin speed redundancy protocol (HRP) with redundancy manager     - Injin speed redundancy protocol (HRP) with redundancy manager     - Injin speed redundancy protocol (HRP) with redundancy manager     - Injin speed redundancy protocol (HRP) with redundancy manager     - Injin speed redundancy protocol (HRP) with redundancy manager     - Injin speed redundancy protocol (HRP) with standby result function     - media redundancy protocol (MRP) with redundancy manager     - Injin speed redundancy protocol (MRP) with redundancy manager     - Injin speed redundancy protocol (MRP) with redundancy manager     - Injin speed redundancy protocol (MRP) with redundancy manager     - Injin speed redundancy protocol (MRP) with redundancy manager     - Injin speed redundancy protocol (MRP) with redundancy manager     - Injin speed redundancy protocol (MRP) with redundancy manager     - Injin speed redundancy protocol (MRP) with redundancy manager     - Injin speed redundancy protocol (MRP) with redundancy manager     - Injin speed redundancy protocol (MRP) with redundancy manager     - Injin speed redundancy protocol (MRP) with redunda		
VLAN - IP-based Yes  VLAN - IP-based Yes  VLAN - IP-based Yes  VLAN - Mynamic Yes  number of VLANs - Mynamic / maximum 255  number of VLANs - dynamic / maximum 255  number of VLANs - dynamic / maximum 255  product functions / DHCP  product functions / DHCP  product function		
VLAN dynamic  number of VLANs / maximum  255  number of VLANs - dynamic / maximum  255  protocol / is supported / GVRP  product functions / DHCP  product functions / DHCP  product functions / DHCP client  DHCP Option 82  DHCP Option 86  DHCP Option 86  DHCP Option 87  Product function / routing  service / routing / note  product function  static IP routing  static IP routing IPv8  dynamic IP routing IPv8  dynamic IP routing IPv8  RIPv2  RIPv3  RIPv3  RIPv4  OSPFv3 for IPv6  Ves  Ves  Ves  Ves  Ves  Ves  Ves  Ve	·	
VES  number of VLANs / maximum  Z55  protocol / is supported / GVRP  product functions / DHCP  product functions  DHCP Option 82  DHCP Option 82  DHCP Option 66  Pes  DHCP Option 67  Product functions / routing  Service / routing / note  product functions  static IP routing  static IP routing   Yes  dynamic IP routing IPV6  dynamic IPV6	<ul> <li>VLAN - protocol-based</li> </ul>	Yes
number of VLANs / maximum 255 number of VLANs - dynamic / maximum 255 protocol / is supported / GVRP product function  • DHCP client • DHCP Option 82 • DHCP Option 86 • DHCP Option 67 product functions / rodundancy product functions / rodundancy  service / routing / note product functions • static IP routing • static IP routing • dynamic IP routing IPv6 • COSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP • VRRP • VRRP for IPv6 • High Speed redundancy protocol (HRP) • high speed redundancy protocol (HRP) • product function • media redundancy protocol (MRP) • res  Product function  255  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Y		Yes
number of VLANs - dynamic / maximum  product functions / DHCP  product function  DHCP client  DHCP Option 82  DHCP Option 86  DHCP Option 67  Product functions / routing  service / routing / note  product function  **static IP routing IPv6  dynamic IP routing IPv6  dynamic IP routing IPv6  **Yes  **Quamic IP routing IPv6  **Quam	·	
protocol / is supported / GVRP  product functions / DHCP  product function 6		
product functions / DHCP product function  DHCP client  DHCP Option 82  DHCP Option 66  Yes  DHCP Option 67  Yes  Product functions / routing  service / routing / note  product function  static IP routing IPv6  static IP routing IPv6  dynamic IP routing IPv6  dynamic IP routing IPv6  RIPV2  RIPNG for IPv6  SRIPNG for IPv6  SSPFV2  SOSPFV2  SOSPFV2  Ves  VRRP VRRP VRRP VRRP  VRRP  VRRP  VRRP  VRRP  VRRP  VRRP  VRRP  Product functions / redundancy  product functions  ring redundancy  product functions  ring redundancy  product functions / redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  Protocol / is supported / Yes  Ves  Ves  Ves  Ves  Ves  Ves  Ves	number of VLANs - dynamic / maximum	255
product function  DHCP Client  DHCP Option 82  DHCP Option 66  DHCP Option 67  Yes  DHCP Option 67  Yes  DHCP Option 67  Yes  Product functions / routing  service / routing / note  static IP routing   Note  static IP routing   Pv6  dynamic IP routing   Yes  dynamic IP routing   Yes  dynamic IP routing   Yes  Protocol / is supported  RIPv2  RIPv2  RIPv3  RIPv6  OSPFv2  OSPFv3 for IPv6  Ves  Ves  Ves  Ves  Product functions / redundancy  product functions / redundancy  product functions / redundancy  product functions / redundancy protocol (HRP) with redundancy  manager  Protocol / is supported / Media Redundancy Protocol (MRP)  product function  media redundancy protocol (MRP) with redundancy  manager		Yes
DHCP client     DHCP Option 82     DHCP Option 66     Pes     DHCP Option 67     Yes      DHCP Option 67     Yes  product functions / routing  service / routing / note product function     static IP routing in combination with KEY-PLUG XR-500  product function     static IP routing     static IP routing IPv6     Seprotocol / is supported      RIPv2     RIPnG for IPv6     Ves     OSPFv2     Seprotocol / respectively     Ves     VRRP     VRRP     VRRP     VRRP     VRRP     VRRP     VRRP     VRRP     VRRP     NRP for IPv6     Ves     Product functions / redundancy     Product function     sing redundancy     Product function     sing redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy     protocol / is supported / Media Redundancy Protocol (MRP)     product function     media redundancy protocol (MRP) with redundancy media redundancy protocol (MRP) with redundancy     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is supported / Media Redundancy Protocol (MRP)     Protocol / is su	product functions / DHCP	
DHCP Option 82     OHCP Option 66     DHCP Option 67     Yes      DHCP Option 67     Yes  product functions / routing  service / routing / note product function      • static IP routing IPv6     • static IP routing IPv6     • dynamic IP routing IPv6     • dynamic IP routing IPv6     • dynamic IP routing IPv6     Product / supported      • RIPv2     • RIPv2     • RIPv6     • OSPFv2     • OSPFv3 for IPv6     • Ves      • VRRP	product function	
DHCP Option 66 DHCP Option 67 Yes  product functions / routing  service / routing / note product function  static IP routing IPv6 Static IP routing IPv6 Otynamic IPv6 Otyn	DHCP client	Yes
DHCP Option 67     Product functions / routing  service / routing / note  product function      • static IP routing     • static IP routing   Yes  • static IP routing   Pv6  • dynamic IP routing   IPv6  • dynamic IP routing   Pv6  • RIPv2  • RIPv3  • RIPv4  • RIPv4  • RIPv6  • OSPFv2  • OSPFv2  • VRRP  • VRRP  • VRRP for IPv6  • VRRP  • VRRP for IPv6  Ves   product functions / redundancy  product functions / redundancy  • High Speed Redundancy Protocol (HRP) with redundancy manager  • high speed redundancy protocol (HRP) with redundancy monager  product function  • media redundancy protocol (MRP) with redundancy manager  • Macia redundancy protocol (MRP) with redundancy manager  • manager  • manager  • Macia redundancy protocol (MRP) with redundancy manager  • Macia redundancy protocol (MRP) with redundancy manager	DHCP Option 82	Yes
service / routing / note  product function  • static IP routing IPv6 • static IP routing IPv6 • dynamic IP routing IPv6 • Yes  protocol / is supported • RIPv2 • RIPnG for IPv6 • OSPFv2 • OSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP • VRRP / Yes  product functions / redundancy  product function • ing redundancy • High Speed Redundancy Protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with redundancy media redundancy  product function • media redundancy Protocol (MRP) Yes  product function • media redundancy protocol (MRP) with redundancy manager • media redundancy protocol (MRP) with redundancy media redundancy protocol (MRP) with redundancy manager	<ul> <li>DHCP Option 66</li> </ul>	Yes
service / routing / note	DHCP Option 67	Yes
product function  • static IP routing • static IP routing IPv6 • static IP routing IPv6 • dynamic IP routing IPv6 • dynamic IP routing IPv6 • dynamic IP routing IPv6  protocol / is supported  • RIPv2 • RIPnG for IPv6 • Ves • OSPFv2 • OSPFv2 • VRRP • VRRP • VRRP • VRRP • VRRP • VRRP Yes • VRRP Yes  product functions / redundancy  product functions • ring redundancy Protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function • media redundancy protocol (MRP) with redundancy manager • high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  • media redundancy protocol (MRP) with redundancy manager • media redundancy protocol (MRP) with redundancy media redun	product functions / routing	
static IP routing     static IP routing IPv6     dynamic IP routing     dynamic IP routing IPv6     dynamic IP routing IPv6     dynamic IP routing IPv6     dynamic IP routing IPv6     Yes  protocol / is supported     RIPv2     RIPnG for IPv6     Yes     OSPFv2     OSPFv2     OSPFv3 for IPv6     VRRP     VRRP     VRRP for IPv6     Yes  Product functions / redundancy  product function     ing redundancy Protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)     Yes  Product function     emedia redundancy protocol (MRP) with redundancy manager  Protocol / is supported / Media Redundancy Protocol (MRP)     Yes  Product function     media redundancy protocol (MRP) with redundancy Media Redundancy Protocol / Wes  Product function     media redundancy protocol (MRP) with redundancy Media Redundancy Protocol / Wes  Product function     media redundancy protocol (MRP) with redundancy Media Redundancy Protocol (MRP)  Product function     media redundancy protocol (MRP) with redundancy Media Redundancy Protocol (MRP) Yes  Product function     media redundancy protocol (MRP) with redundancy Media Redundancy Protocol (MRP) Yes  Product function	service / routing / note	IP routing in combination with KEY-PLUG XR-500
static IP routing IPv6     dynamic IP routing     dynamic IP routing IPv6     dynamic IP routing IPv6     yes     dynamic IP routing IPv6     yes  protocol / is supported     RIPv2     RIPng for IPv6     Yes     OSPFv2     OSPFv2     OSPFv3 for IPv6     VRRP     VRRP     VRRP    Yes     VRRP for IPv6     yes     VRRP for IPv6     yes  product functions / rodundancy  product function     ing redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)     yes  product function     wedia redundancy protocol (MRP) with redundancy     yes  product function     wedia redundancy protocol (MRP) with redundancy     Yes  Product function     wedia redundancy protocol (MRP) with redundancy     Yes  Product function     wedia redundancy protocol (MRP) with redundancy     Yes  Product function     we media redundancy protocol (MRP) with redundancy     wedia redundancy protocol (MRP) with redundancy     Yes	product function	
dynamic IP routing     dynamic IP routing IPv6     Yes  protocol / is supported      RIPv2     RIPnG for IPv6     Yes      OSPFv2     OSPFv3 for IPv6     VRRP     VRRP     VRRP for IPv6     Ves      VRRP for IPv6     Yes      VRRP for IPv6     Yes  product functions / redundancy  product function     ing redundancy Protocol (HRP) with redundancy manager      high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function  media redundancy protocol (MRP) with redundancy media redundancy protocol / is supported / Media Redundancy Protocol (MRP)  media redundancy protocol (MRP) with redundancy manager  media redundancy protocol (MRP) with redundancy media redundancy media redundancy protocol (MRP) with redundancy media redundancy media redundancy media redundancy media redundancy media redundancy media redu	• static IP routing	Yes
dynamic IP routing IPv6      protocol / is supported         RIPv2         RIPnG for IPv6         Yes         OSPFv2         OSPFv3 for IPv6         VRRP         VRRP         VRRP for IPv6         Ves          VRRP for IPv6         Yes          VRRP for IPv6         Yes          VRRP for IPv6         Yes          VRRP for IPv6          Product functions / redundancy          product function         • ring redundancy         • High Speed Redundancy Protocol (HRP)         • high speed redundancy protocol (HRP) with redundancy manager         • high speed redundancy protocol (HRP) with standby redundancy         protocol / is supported / Media Redundancy Protocol (MRP)          product function         • media redundancy protocol (MRP) with redundancy manager	<ul> <li>static IP routing IPv6</li> </ul>	Yes
protocol / is supported  • RIPv2 • RIPnG for IPv6 • OSPFv2 • OSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP • VRRP for IPv6 • VRRP • VRRP for IPv6  Product functions / redundancy  product function • ring redundancy • high Speed Redundancy protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP) • media redundancy protocol (MRP) with redundancy manager  • media redundancy protocol (MRP) with redundancy manager  • media redundancy protocol (MRP) with redundancy manager	dynamic IP routing	Yes
RIPv2 RIPnG for IPv6 Yes OSPFv2 Yes OSPFv3 for IPv6 Yes VRRP VRRP VRRP Ves VRRP Ves VRRP for IPv6 Yes  Product functions / redundancy  product function  ing redundancy Fing redundancy High Speed Redundancy Protocol (HRP) high speed redundancy protocol (HRP) with redundancy manager  high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  media redundancy protocol (MRP) with redundancy media redundancy protocol (MRP) yes  product function media redundancy protocol (MRP) with redundancy yes	dynamic IP routing IPv6	Yes
RIPnG for IPv6 OSPFv2 OSPFv3 for IPv6 Yes VRRP VRRP VRRP VRRP for IPv6  Product functions / redundancy  Product function Fing redundancy Protocol (HRP) with redundancy  Protocol / is supported / Media Redundancy Protocol (MRP)  Product function  Redundancy Yes Product function Yes  High Speed redundancy protocol (HRP) with redundancy manager  Protocol / is supported / Media Redundancy Protocol (MRP)  Product function  Redundancy Protocol (MRP) with redundancy manager  Product function  Redundancy Protocol (MRP) with redundancy manager  Product function  Redundancy Protocol (MRP) with redundancy manager  Yes	protocol / is supported	
OSPFv2 OSPFv3 for IPv6 Yes VRRP VRRP VRRP for IPv6  Product functions / redundancy  product function ing redundancy  ring redundancy Protocol (HRP) High Speed Redundancy Protocol (HRP) with redundancy manager high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function media redundancy protocol (MRP) with redundancy manager  Media redundancy protocol (MRP) with redundancy media redundancy protocol (MRP)  Yes  Product function media redundancy protocol (MRP) with redundancy manager	• RIPv2	Yes
OSPFv3 for IPv6 VRRP VRRP VRRP for IPv6 Yes  Product functions / redundancy  product function  ing redundancy High Speed Redundancy Protocol (HRP) high speed redundancy protocol (HRP) with redundancy manager high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function media redundancy protocol (MRP) with redundancy manager  Yes  Product function media redundancy protocol (MRP) with redundancy manager  Yes	• RIPnG for IPv6	Yes
VRRP VRRP for IPv6 Yes  product functions / redundancy  product function  ing redundancy High Speed Redundancy Protocol (HRP) high speed redundancy protocol (HRP) with redundancy manager high speed redundancy protocol (HRP) with standby redundancy protocol / is supported / Media Redundancy Protocol (MRP)  product function media redundancy protocol (MRP) with redundancy manager  Yes  Yes  Yes	OSPFv2	Yes
VRRP for IPv6  product functions / redundancy  product function  ing redundancy  High Speed Redundancy Protocol (HRP)  high speed redundancy protocol (HRP) with redundancy manager  high speed redundancy protocol (HRP) with standby redundancy protocol / is supported / Media Redundancy Protocol (MRP)  product function  media redundancy protocol (MRP) with redundancy manager  Yes  Yes  Yes	OSPFv3 for IPv6	Yes
product functions / redundancy product function  • ring redundancy • High Speed Redundancy Protocol (HRP) • high speed redundancy protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby redundancy protocol / is supported / Media Redundancy Protocol (MRP)  product function • media redundancy protocol (MRP) with redundancy manager  Yes	• VRRP	Yes
product function  • ring redundancy  • High Speed Redundancy Protocol (HRP)  • high speed redundancy protocol (HRP) with redundancy manager  • high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function  • media redundancy protocol (MRP) with redundancy manager  Yes  Yes	VRRP for IPv6	Yes
<ul> <li>ring redundancy</li> <li>High Speed Redundancy Protocol (HRP)</li> <li>high speed redundancy protocol (HRP) with redundancy manager</li> <li>high speed redundancy protocol (HRP) with standby redundancy</li> <li>protocol / is supported / Media Redundancy Protocol (MRP)</li> <li>product function</li> <li>media redundancy protocol (MRP) with redundancy manager</li> </ul>	product functions / redundancy	
<ul> <li>ring redundancy</li> <li>High Speed Redundancy Protocol (HRP)</li> <li>high speed redundancy protocol (HRP) with redundancy manager</li> <li>high speed redundancy protocol (HRP) with standby redundancy</li> <li>protocol / is supported / Media Redundancy Protocol (MRP)</li> <li>product function</li> <li>media redundancy protocol (MRP) with redundancy manager</li> </ul>	product function	
High Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager      high speed redundancy protocol (HRP) with standby redundancy      protocol / is supported / Media Redundancy Protocol (MRP)      product function     media redundancy protocol (MRP) with redundancy manager  Yes  Yes  Yes	• ring redundancy	Yes
<ul> <li>high speed redundancy protocol (HRP) with redundancy manager</li> <li>high speed redundancy protocol (HRP) with standby redundancy</li> <li>protocol / is supported / Media Redundancy Protocol (MRP)</li> <li>product function</li> <li>media redundancy protocol (MRP) with redundancy manager</li> </ul> Yes Yes Yes Yes		Yes
manager  • high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function  • media redundancy protocol (MRP) with redundancy manager  Yes  Yes		Yes
redundancy protocol / is supported / Media Redundancy Protocol (MRP)  Product function  • media redundancy protocol (MRP) with redundancy manager  Yes  Yes		
product function  ● media redundancy protocol (MRP) with redundancy manager  Yes	redundancy	Yes
media redundancy protocol (MRP) with redundancy manager  Yes	protocol / is supported / Media Redundancy Protocol (MRP)	Yes
manager	product function	
Media Redundancy Protocol Interconnection (MRP-I)  Yes		Yes
	Media Redundancy Protocol Interconnection (MRP-I)	Yes

* educidation procedure RSTP     * educidation procedure RSTP     * educidation procedure RSTP     * educidation procedure RSTP     * Parallel Redundancy Protocol (PRP) Redundant Network     * Parallel Redundancy Protocol (PRP) Redunda		
* oduridatory procedum MSTP*     * Pasalet Redundancy Protocol (PRP) popration in the PRP-reduce.     * Pasalet Redundancy Protocol (PRP) Redundant Network.     * Pasalet Redundancy Protocol (PRP) Redundancy R	redundancy procedure STP	Yes
Fedination procedure AISTP     Figalia (Redundancy Protocal (PRP)/operation in the PRP-network     Access (RNA)     Fassive (Risk)     Access (RNA)     Fassive (Risk)     Access (RNA)		
* Parallel Redundancy Protocol (PRP) operation in the PRP-reduck	* *	
Parallel Redundancy Protocol (PRP)Redundant Network Access (RNA)	* *	
Access (RNA)    passive Islanting   Yes		Yes
protocol //s supported   LACP   Yes		No
product functions / security  product functions  * ACL - MAC-based  * EEE 802.1x (radius)  * broadcast blocking  * protocof / is supported  * SSH  * Yes  * product functions / time  * protocof / is supported  * SSH  * Yes  * SILC.OCK support  * NTP  * Yes  * SNTP  * Yes  * Yes  * SNTP  * Yes  * Yes  * Enderd's specifications approvals / Division 2 / Group IA, B, C, D / T-4, Class 1 / Division 2 / Group IA, B, C, D / T-4, Class 1 / Division 2 / Group IA, B, C, D / T-4, Class 1 / Di	passive listening	Yes
product functions / security product function	protocol / is supported	
product function  ACL - MAC-based  Yes  ELEE 802.1x (radius)  Available of Product function  AVAILABLE OF PRODUCT of Product function  AVAILABLE OF PRODUCT OF PRODU	• LACP	Yes
ACL - MAC-based ACL - port/MAC-based ACC - port/MACC - po	product functions / security	
**ACL - port/MAC-based     **IEEE 802.1 k (radius)     **Productar/multicast/multicast/multer     **Productar/multicast/multicast/multer     **Productar/multicast/multicas	product function	
I EEE 802.1x (radius) I broadcast/multicast/unicast limiter I broadcast blooking I Yes I broadcast blooking I Yes I broadcast blooking I Yes I STATE SH I Yes I Y	ACL - MAC-based	Yes
broadcast functions of time product function  broadcast blocking  protocol / is supported  SSH  Yes  Product functions  SILL OCK support  NTP  SILL OCK support  NTP  Yes  SILL OCK support  NTP  Yes  Yes  SILL OCK support  NTP  Yes  SINTP  Yes  Ves  Ves  Ves  Ves  Ves  Ves  Ves	<ul> <li>ACL - port/MAC-based</li> </ul>	Yes
broadcast blocking protocot / is supported \$	● IEEE 802.1x (radius)	Yes
protocol / is supported  SSH Yes  Product functions / time  product function  SICLOCK support  NTP Yes  SINTP Yes  Vyes  Yes  Yes  SINTP Yes  SINTP Yes  SINTP Yes  SIAND SIAN	<ul> <li>broadcast/multicast/unicast limiter</li> </ul>	Yes
product functions / thmo product functions / thmo product function  • SICL COCK support  • NTP  • SNTP  • SNTP  • SNTP  • SNTP  • SNTP  • SNTP  • FW38  standards, specifications, approvals  standard  • for FM  • for safety / from CSA and UL  • for emitted interference  • for interference immunity  reference code  • according to IEC 81348-2  • for harderds, specifications, approvals / the standard / so standard / for hazardous zone  • for machine immunity  reference code  • according to IEC 81348-2  • according to IEC 81348-2  • according to IEC 81348-2  • from CSA and UL  • for machine immunity  • CCC / for hazardous zone  • from CSA and UL  •	broadcast blocking	Yes
product functions / time product function	protocol / is supported	
product function  • SICLOCK support  • NTP  • NTP  • NTP  • SNTP  • SNTP  • SNTP  • SNTP  • SNTP  • SNTP  • FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4  • for safety / from CSA and UL  • for emitted interference  • for interference immunity  • for interference immunity  • according to IEC 81346-2.2019  standards, specifications, approvals / EKFE  standards, specifications, approvals / EKFE  standards, specifications, approvals / EKFE  certificate of suitability / CE marking  * for CSA and UL  • for marking  standards, specifications, approvals / FE  certificate of suitability  • CCC / for hazardous zone  • from CSA and UL  • CCC / for hazardous zone according to GB standard	• SSH	Yes
SICLOCK support  protocol / is supported  NTP  SNTP  SNTP  Yes  Yes  Yes  Yes  Yes  Yes  ItEEE 1588  Standards, specifications, approvals  standard, for FM  FM3611: Class 1, Divison 2, Group A, B. C, D / T4, Class 1, Zone 2, Group IIC, T4  for safety / from CSA and UL  for emitted interference  for interference immunity  reference code  according to IEC 81346-2  according to IEC 81346-2  certificate of suitability / CE marking  Yes  standard / for hazardous zone  from CSA and UL  from CSA and UL  Standard / for hazardous zone  FM 60009-0-2009, EN60079-15: 2010, II 3 G Ex nA II C T4 Gc, KEMA 07 ATEX  O145 X  ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B. C, D / T4.  FM 60009-0-2009, EN60079-15: 2010, II 3 G Ex nA II C T4 Gc, KEMA 07 ATEX  O145 X  SA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B. C, D / T4.  Perificate of suitability  CCC / for hazardous zone according to GB standard  accc / for hazardous zone according to GB standard  accc / for hazardous zone according to GB standard  accc / for hazardous zone according to GB standard  accc / for hazardous zone according to GB standard  accc / for hazardous zone according to GB standard  accc / for hazardous zone according to GB standard  accc / for hazardous zone according to GB standard  accc / for hazardous zone according to GB standard  accc / for hazardous zone according to GB standard  accc / for hazardous zone according to GB standard  accc / for hazardous zone according to GB standard  accc / for hazardous zone according to GB standard  be according to GB standard / se  internet link  accc / for hazardous zone according to GB standard  be web page: selection aid TIA Selection Tool  http://www.siemens.com/bischenes.com/ http://www.siemens.com/bischenes.com/ http://www.siemens.com/bischenes.com/ http://www.siemens.com/bischenes.com/ http://www.siemens.com/bischenes.com/ http://www.siemens.com/bischenes.com/ http://www.siemens.com/bischenes.com/ http://www.siemens.com/bischenes.com/bischenes.com/bischene	product functions / time	
protocol / is supported  NTP  NTP  NTP  NTP  NTP  NTP  NTP  NT	product function	
NTP Yes  SNTP Yes  Type of time synchronization  IEEE 1588  standards, specifications, approvals  standard  • for FM  for safety / from CSA and UL  • for emitted interference  • for interference immunity  reference code  • according to IEC 81346-2  • according to IEC 81346-2:2019  standards, specifications, approvals / Experiments  standards, specifications, approvals / Experiments  standards, specifications, approvals / Locations, Locat	SICLOCK support	Yes
yes of time synchronization standards, specifications, approvals  standard  • for FM  • for safety / from CSA and UL • for emitted interference • for interference immunity  reference code • according to IEC 81346-2 • for interference immunity  standards, specifications, approvals / hazardous environments  standard / for hazardous zone • from CSA and UL • from C	protocol / is supported	
type of time synchronization  standards, specifications, approvals  standard  • for FM  • for safety / from CSA and UL  • for emitted interference  • for interference community  • according to IEC 81346-2  • form CSA and UL  • for mitted interference  • according to IEC 81346-2  • from CSA and UL  • from CSA and UL  • for mitted interference code  • according to IEC 81346-2  • according to IEC 81346-2  • from CSA and UL  • from CS	• NTP	Yes
standard  • for FM  • for FM  • for safety / from CSA and UL  • for emitted interference  • for interference immunity  reference code  • according to IEC 81346-2	• SNTP	Yes
standard  • for FM  • for FM  • for safety / from CSA and UL  • for emitted interference  • for interference immunity  reference code  • according to IEC 81346-2  • according to IEC 81346-2 KF  standards, specifications, approvals / CE  certificate of suitability / CE marking  • from CSA and UL  •	type of time synchronization	IEEE 1588
FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4   FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4   FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4   FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4   FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4   FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4   FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4   FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4   FM3611: Class 1, Divison 2, Group IIC, T4   FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Divison 2, Group A,	standards, specifications, approvals	
• for safety / from CSA and UL • for emitted interference • for interference • for interference immunity  reference code • according to IEC 81346-2 • according to IEC 81346-2-2019    Standards, specifications, approvals / E   Certificate of suitability / CE marking   Standards, specifications, approvals / hazardous environments    Standard / for hazardous zone   EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  • 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   CCC / for hazardous zone according to GB standard   Yes     CCC / for hazardous zone according to GB standard   Sandards, specifications, approvals / other   Certificate of suitability   EN 61000-6-2, EN 61000-6-4     CCT / for hazardous zone according to GB standard / se     CATICK   Yes     Catificate of suitability   EN 61000-6-2, EN 61000-6-4     Yes   Other information / internet links     Internet link   Other information / internet links     Other information /	standard	
• for emitted interference • for interference immunity FN 61000-6-2  reference code • according to IEC 81346-2 • according to IEC 81346-2:2019  Standards, specifications, approvals / CE certificate of suitability / CE marking standards, specifications, approvals / hazardous environments  standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / Specifications, approvals / hazardous conduction / CCC / for hazardous zone according to GB standard / Specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard / Specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other certificate of suitability • CCT / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other certificate of suitability • CCT / for hazardous zone according to GB standard / as Ex nA IIC T4 Gc  standards, specifications, approvals / other • Certificate of suitability • CCT / for hazardous zone according to GB standard / as Ex nA IIC T4 Gc  standards, specifications, approvals / other • Certificate of suitability • CCT / for hazardous zone according to GB standard / as Ex nA IIC T4 Gc  standards, specifications, approvals / other • Certificate of suitability • EN 61000-6-2, EN 61000-6-4 • CC / Tick • C-Tick • Yes • EN 61000-6-2, EN 61000-6-4 • CC / Tick • C-Tick • Other importance of the suitability /	• for FM	
• for interference immunity  reference code • according to IEC 81346-2 • according to IEC 81346-2:2019  standards, specifications, approvals / CE  certificate of suitability / CE marking  standard / for hazardous zone • from CSA and UL  certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / Other  certificate of suitability • CCC / for hazardous zone according to GB standard / SEX not 1/2 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4  certificate of suitability • CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability • C-Tick • KC approval • C-Tick • KC approval • E1 approval • E1 approval • E1 approval • E1 approval • No  further information / internet links  internet link • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Information and Download Center • to website: Inge database  http://www.siemens.com/bilddb	<ul> <li>for safety / from CSA and UL</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1-03
reference code  according to IEC 81346-2  according to IEC 81346-2:2019  standards, specifications, approvals / CE  certificate of suitability / CE marking  from CSA and UL  standard / for hazardous zone  from CSA and UL  certificate of suitability  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard / CCC / for hazardous according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability  CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability  C-CTick  C-Tick  KE  EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  D / T4, Class 1 / Zone 2 / Group IIC / T4  Yes  Ex nA IIC T4 Gc  marking  standards, specifications, approvals / other  certificate of suitability  EN 61000-6-2, EN 61000-6-4  Yes  EN 61000-6-2, EN 61000-6-4  Yes  EI approval  No  further information / internet links  internet link  to web page: selection aid TIA Selection Tool  to website: Industrial communication  to website: Industrial communication  to website: Industry Mall  to website: Industry Mall  to website: Information and Download Center  to website: Inmage database  http://www.siemens.com/bilddb	for emitted interference	EN 61000-6-4 (Class A)
according to IEC 81346-2 KF according to IEC 81346-2:2019 KFE  standards, specifications, approvals / CE certificate of suitability / CE marking Yes standards, specifications, approvals / hazardous environments  standard / for hazardous zone EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  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  CCC / for hazardous zone according to GB standard Yes CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability EN 61000-6-2, EN 61000-6-4  C-Tick Yes KC approval Yes E1 approval No E1 approval No  further information / internet links  internet link  to web page: selection aid TIA Selection Tool to website: Industrial communication to website: Industry Mall to website: Industry Mall to website: Information and Download Center thtp://www.siemens.com/sindustry/iinfocenter to website: Information and Download Center to website: Information and Download Center thtp://www.siemens.com/bilddb	for interference immunity	EN 61000-6-2
according to IEC 81346-2:2019  standards, specifications, approvals / CE  certificate of suitability / CE marking  standards, specifications, approvals / hazardous environments  standard / for hazardous zone  after first fict of suitability  after first fir	reference code	
standards, specifications, approvals / CE  certificate of suitability / CE marking  standards, specifications, approvals / hazardous environments  standard / for hazardous zone  if mm CSA and UL  if mm CSA and UL  certificate of suitability  if CCC / for hazardous zone according to GB standard  if CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability  if CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability  if CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability  if CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability  if CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / ves  Ex nA IIC T4 Gc  BEN 61000-6-2, EN 61000-6-4  Yes  if C-Tick  if Capproval  if Ca	-	KF
certificate of suitability / CE marking standards, specifications, approvals / hazardous environments  standard / for hazardous zone  • from CSA and UL  • from CSA and UL  certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / e CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability • CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability • C-Tick • KC approval • E1 approval • Internet link • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: linage database  http://www.siemens.com/bilddb  Yes  EN 600079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  IN 6 12.12.01-2012 (Hazardous Location), II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  IN 6 12.12.01-2012 (Hazardous Location), II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  FN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  FN 610079-0: 2019, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  FN 610079-0: 2019, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  FN 61007-0: 2019, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  FN 61007-0: 2019, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  FN 61007-0: 2019, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc nate of IIC A II	according to IEC 81346-2:2019	KFE
standard's, specifications, approvals / hazardous environments  standard / for hazardous zone  • from CSA and UL  standard / for hazardous zone  • from CSA and UL  standard / for hazardous zone  • from CSA and UL  certificate of suitability  • CCC / for hazardous zone according to GB standard  • CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability  • C-Tick  • C-Tick  • KC approval  • E1 approval  • to web page: selection aid TIA Selection Tool  • to website: Industrial communication  • to website: Industry Mall  • to website: Information and Download Center  • to website: Image database  EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  EN 610079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X  EN 6121-20-1201 (Hazardous Location), Class 1 / Division 2 / Group IIC / T4  Yes  Ex nA IIC T4 Gc  Ex nA IIC T4 Cas  Ex nA IIC T4 Gc  Ex nA IIC T4 Gc  Ex nA IIC T4 Gc  Ex nA		
standard / for hazardous zone  • from CSA and UL  • from CSA and UL  certificate of suitability  • CCC / for hazardous zone according to GB standard  • CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / CCC / For hazardous zone according to GB standard / CCC / For hazardous zone according to GB standard / CCC / For hazardous zone according to GB standard / CCC / For hazardous zone according to GB standard / CCC / For hazardous zone according to GB standard / CCC / For hazardous zone according to GB standard / CCC / For hazardous zone according to GB standard / Yes  Ex nA IIC T4 GC  For hazardous zone according to GB standard / Yes  Ex nA IIC T4 GC  For hazardous zone according to CCC / For hazardous zone accordi	certificate of suitability / CE marking	Yes
• from CSA and UL     • from CSA and UL     SA 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     • CCC / for hazardous zone according to GB standard     • CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability     • C-Tick     • C-Tick     • KC approval     • E1 approval     • E1 approval     • E1 approval     • Internet link     • to web page: selection aid TIA Selection Tool     • to website: Industrial communication     • to website: Industrial communication     • to website: Information and Download Center     • to website: Ingage database  O 145 X  ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T4  Yes  Ex nA IIC T4 Gc  Ex n 61000-6-4  Yes  No  No  tithic T4 Gc  Ex n 61000-6-4  Yes  No  http://www.siemens.com/fia-selection-tool  http://www.siemens.com/fia-selection-tool  http://www.siemens.com/simatic-net  http://www.siemens.com/industry/infocenter  http://www.siemens.com/findustry/infocenter  http://wautomation.siemens.com/bilddb	standards, specifications, approvals / hazardous environments	
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	standard / for hazardous zone	
certificate of suitability  • CCC / for hazardous zone according to GB standard  • CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability  • C-Tick  • C-Tick  • KC approval  • E1 approval  • E1 approval  • E1 approval  • to web page: selection aid TIA Selection Tool  • to website: Industrial communication  • to website: Industry Mall  • to website: Information and Download Center  • to website: Information and Download Center  • to website: Image database  D / T4, Class 1 / Zone 2 / Group IIC / T4  Yes  Ex nA IIC T4 Gc  Ex nA IIC	a from CSA and III	
CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability C-Tick C-Tick KC approval EI appro	IIOIII OSA and OL	
CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability C-Tick C-Tick KC approval EI appro	certificate of suitability	
CCC / for hazardous zone according to GB standard / as marking  standards, specifications, approvals / other  certificate of suitability  C-Tick  KC approval  EIN 61000-6-2, EN 61000-6-4  Yes  KC approval  E1 approval  E1 approval  No  further information / internet links  internet link  to web page: selection aid TIA Selection Tool  to website: Industrial communication  to website: Industry Mall  to website: Information and Download Center  to website: Image database  http://www.siemens.com/industry/infocenter  http://www.siemens.com/jindustry/infocenter  http://www.siemens.com/jindustry/infocenter  http://www.siemens.com/jindustry/infocenter  http://www.siemens.com/jindustry/infocenter	•	Yes
standards, specifications, approvals / other  certificate of suitability	_	Ex nA IIC T4 Gc
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• to website: Industry Online Support

https://support.industry.siemens.com

#### security information

security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-ofthe-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under https://www.siemens.com/cert. (V4.6)

## Approvals / Certificates

General Product Approval

EMC

For use in hazardous locations

Manufacturer Declaration



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ATEX-Zone 2-Declaration



<u>FM</u>

CCC-Ex

**Declaration of Conformity** 

Manufacturer Declara-



PROFINET-Certifica-

other



**Environment** 

last modified:

9/22/2023