6GK5408-8GS00-2AM2

Data sheet



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 with Key-Plug plug available.

product type designation	
product brand name	SCALANCE
product type designation	XM408-8C
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
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	
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
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
interfaces / other	
number of electrical connections	
 for operator console 	1
 for signaling contact 	1
• for power supply	1
type of electrical connection	
 for operator console 	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
product feature / hot-swappable interface modules	Yes
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
fuse protection type / 1 / at input for supply voltage	F 15 A / 125 V
ambient conditions	
ambient temperature	
during operation	-40 +70 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity	0.50/
 at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP20
design, dimensions and weights	
design	modular
design width	modular 140 mm
width	140 mm
width height	140 mm 147 mm
width height depth	140 mm 147 mm 125 mm
width height depth net weight	140 mm 147 mm 125 mm
width height depth net weight fastening method	140 mm 147 mm 125 mm 1.15 kg
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes Yes
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes Yes
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general 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	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes Yes
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general 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	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes anal 50 any (depending only on signal propagation time)
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general 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	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes any (depending only on signal propagation time) Yes
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general 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	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes aral 50 any (depending only on signal propagation time) Yes Yes
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general 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	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes aral 50 any (depending only on signal propagation time) Yes Yes Yes
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting product features, product functions, product components / general 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	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes aral 50 any (depending only on signal propagation time) Yes Yes Yes Yes Yes
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting product features, product functions, product components / general 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	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting product features, product functions, product components / general 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	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes Yes Yes Yes Yes
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general 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	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general 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 • multiport mirroring • multiport mirroring • CoS • PROFINET IO diagnosis	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes anal 50 any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
width height depth net weight fastening method	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general 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 • multiport mirroring • CoS • PROFINET IO diagnosis • switch-managed PROFINET conformity class	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general 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 • multiport mirroring • CoS • PROFINET IO diagnosis • switch-managed PROFINET conformity class telegram length / for Ethernet / maximum	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
width height depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general 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 • multiport mirroring • CoS • PROFINET IO diagnosis • switch-managed PROFINET conformity class	140 mm 147 mm 125 mm 1.15 kg Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye

HITPS		
FTFP		
FTP		
. BOOTP	• TFTP	Yes
OARP	• FTP	Yes
• DCP	• BOOTP	Yes
EltenHeid/IP Yes EltenHeid/IP	• GMRP	Yes
ElberheatiP SNMP v1 SNMP v2 SNMP v2 SNMP v2 SNMP v2 SNMP v2 SNMP v2 SNMP v3 SN	• DCP	Yes
SNMP v2 SNMP	• LLDP	Yes
SNMP v3 SNMP	EtherNet/IP	Yes
SNMP v3 Identification & maintenance function • I&M0 - device-specific information • I&M0 - device-specific information • I&M0 - device-specific information • I&M1 - higher level designation/location designation product functions / diagnostics product functions / diagnostics product functions / diagnostics • port diagnostics • product functions / vLAN - protocol-based Yes • VLAN - protocol-based Yes • VLAN - protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol-based Yes • VLAN - Protocol - Passinum • Z55 product functions / DCP product functions / DCP product functions / Protocol function Yes • DCPC Option 65 • DCPC Option 65 • DCPC Option 65 • DCPC Option 65 • DCPC Option 67 • Yes • VERP Yes • VERP for IPv6 • Yes • VERP for IPv6 • Yes • VERP for IPv6 • Ves • VERP Yes • VERP for IPv6 • Ves • VERP Yes • VERP for IPv6 • Ves • VERP Yes • VERP for IPv6 • Ves • Vere Ves •	• SNMP v1	Yes
Identification & maintenance function	• SNMP v2	Yes
identification & maintenance function • (AMO - device-specific information • (AMO -	• SNMP v3	Yes
IAMI - higher level designation Yes	• IGMP (snooping/querier)	Yes
e IBM1 - Nigher level designation/location designation product functions / disprised ES product function • port disprised Executive • statistics packet type • error statistics • Syst Q • res • statistics packet type • error statistics • Syst Q • res • syst Q • res • VEAN - port based • VLAN - port based • VLAN - port based • VLAN - protocol-based • VLAN - protocol-based • VLAN - Pased • VLAN	identification & maintenance function	
product function oport diagnostics statistics Packet Size statistics packet type enror statistics SysLog product function VLAN - protocol-based VLAN -	 I&M0 - device-specific information 	Yes
product function • port diagnostics • statistics packet Size • statistics packet Size • statistics packet type • error statistics • Syst.og • Yes • product functions / VLAN product functions / VLAN product functions • VLAN - port based • VLAN - protocol-based • VLAN	 I&M1 - higher level designation/location designation 	Yes
product function • port diagnostics • statistics packet Size • statistics packet Size • statistics packet type • error statistics • Syst.og • Product functions / VLAN product functions / VLAN product functions • VLAN - port based • VLAN - protocol-based • VLAN - Prot		
product functions / DHCP option 62		
statistics Packet Size statistics packet type error statistics syst.og error statistics Syst.og yes Product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - protocol-based VLAN - protocol-based VLAN - Probased VLAN - Maximum 255 number of VLANs / maximum 255 product functions / OHCP product functions / OHCP product function DHCP Option 82 DHCP Option 82 DHCP Option 66 DHCP Option 67 Pes DHCP Option 67 Yes DHCP Option 67 Yes Product functions / routing service / routing / note product function static IP routing IPv6 dynamic IP routing IPv6 dynamic IP routing IPv6 dynamic IP routing IPv6 ves ves RIPv2 RIPv2 Ves RIPv2 Ves VRRP VRRP VRS VRRP	·	Yes
statistics packet type error statistics SysLog Product functions / VLAN product functions / VLAN product functions / VLAN - port based VLAN - port based VLAN - protocol-based VLAN - protocol-base		
error statistics		
• SysLog product functions / VLAN product function • VLAN - protocol-based • VLAN dynamic number of VLANs - dynamic / maximum 255 product functions / DHCP product functions • DHCP client • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 • DHCP Option 77 product functions • static IP routing / rote product function • static IP routing IPv6 • dynamic IP routing • dynamic IP routing IPv6 • RIPV2 • RIPNG for IPv6 • Supported • RIPV2 • RIPNG for IPv6 • VRRP • Media Redundancy Protocol (MRP) product function • Ves • of the PROFINET IO device / is supported / H-Sync forwarding • of the PROFINET IO device / is supported / PROFINET Ves • Of the PROFINET IO device / is supported / PROFINET Ves • Of the PROFINET IO device / is supported / PROFINET Ves • Of the PROFINET IO device / is supported / PROFINET Ves		
product functions / VLAN product function • VLAN - protococh-based • VES • VLAN - protococh-based • VES • DROP Option 67 • DROP Client • DHCP Option 70 • DHCP Option 82 • DHCP Option 87 • Yes • Satic IP routing Protococh • static IP routing Protococh • static IP routing IPv6 • Static IP routing IPv6 • Ves • dynamic IP routing IPv6 • Ves • dynamic IP routing IPv6 • Ves • dynamic IP routing IPv6 • Yes • COSPFv3 for IPv6 • VRSP • VRRP • VRRP OPS • OBSPINET IO device / is supported / H-Sync forwarding • of the PROFINET IO device / is supported / PROFINET • Yes • Of the PROFINET IO device / is supported / PROFINET • Yes • Other PROFINET IO device / is supported / PROFINET • Yes • Other PROFINET IO device / is supported / PROFINET • Yes		
product function • VLAN - port based • VLAN - protocol-based • VLAN - IP-based • VLAN - IP-based • VLAN dynamic number of VLANs / maximum 255 number of VLANs / maximum 255 number of VLANs / maximum 255 product functions / DHCP product function • DHCP client • DHCP poption 82 • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 product functions / routing service / routing / note product function • static IP routing IPr6 • dynamic IP routing IPr6 • RIPr2 • RIPR2 • RIPRG for IPv6 • RIPR2 • RIPRG for IPv6 • Ves • OSPFv3 for IPv6 • Ves • VRRP or IPv6 • VRRP • VRRP or IPv6 • VRRP • VRRP or IPv6 • Media Redundancy Protocol (MRP) with redundancy manager • Media Redundancy Protocol interconnection (MRP-I) • of the PROFINET IO device / is supported / PROFINET Yes • Ves • Ves • OspFin ID device / is supported / H-Sync forwarding • of the PROFINET IO device / is supported / PROFINET Yes • Offen PROFINET IO device / is supported / PROFINET Yes • Offen PROFINET IO device / is supported / PROFINET		
VILAN - protocol-based VILAN - protocol-based VILAN - protocol-based VILAN - protocol-based VILAN - protocol - product functions VILAN dynamic Ves VILAN dynamic Ves VILAN dynamic Ves VILAN - maximum Ves Product functions / DHCP Product functions DHCP Option 82 DHCP Option 82 DHCP Option 66 Ves DHCP Option 67 Ves DHCP Option 67 Ves Ves Ves Ves Ves Ves Ves Ves Ves Ve		
VLAN - protocol-based Yes VLAN - IP-based Yes VLAN (ynamic) Yes number of VLANs / maximum 255 number of VLANs - dynamic / maximum 255 product functions / DHCP product functions / DHCP product function / DHCP product function / DHCP Option 82 Yes - DHCP Option 82 Yes - DHCP Option 67 Yes - DHCP Option 67 Yes product functions / routing service / routing / note product function • static IP routing / note product function • static IP routing Yes • dynamic IP routing Yes • dynamic IP routing Yes • RIPV2 Yes • RIPV2 Yes • OSPFv2 Yes • OSPFv2 Yes • OSPFv2 Yes • VRRP • VRRP Yes product functions / Yes product functions / Yes product function Yes • VRRP Yes product function Yes product function Yes • VRRP Yes product function Yes product functions / Yes product function Yes • VRRP Yes product functions / Yes product function / Yes product functions / Yes product function / Yes product fun		Von
VLAN - IP-based Ves VLAN dynamic number of VLANs / maximum 255 number of VLANs - dynamic / maximum 255 product functions / DHCP product functions OHCP client OHCP Option 82 OHCP Option 66 OHCP Option 67 Product functions / routing service / routing / note product functions static IP routing IPv6 otynamic IP routing IPv6 ves otynamic IP routi	•	
• VLAN dynamic number of VLANs - dynamic / maximum 255 product functions / DHCP product function • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 Product functions / routing service / routing / note product function • static IP routing IPv6 • dynamic IP routing IPv6 • dynamic IP routing IPv6 • RIPv2 • RIPv2 • RIPv6 for IPv6 • Ves • OSPFv3 for IPv6 • Ves • VRRP • VRRP for IPv6 product functions • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / PROFINET	•	
number of VLANs / maximum 255 number of VLANs - dynamic / maximum 255 product functions / DHCP product function • DHCP client Yes • DHCP Option 82 Yes • DHCP Option 66 Yes • DHCP Option 67 Yes product functions / routing service / routing / note product function • static IP routing Pv6 • dynamic IP routing IPv6 • dynamic IP routing IPv6 • RIPv2 • RIPnG for IPv6 • SIPv2 • NRRP • VRRP roduct functions / redundancy product function 9 Yes • VRRP or IPv6 • VRRP • WRRP • WRRP Yes • ORPPV2 • VRS • ORPPV3 • VRRP • VRRP Yes • VRRP Yes • ORPPV6 • ORPPV6 • ORPPV7 • ORPPV6 • ORPPV7 • VRS • ORPPV8 • ORPPV9 • VRRP • VRRP Yes • ORPPV9 product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP-I) • Media Redundancy Protocol (MRP) Whith redundancy manager • Media Redundancy Protocol (MRP) Whith redundancy manager • Media Redundancy Protocol (Interconnection (MRP-I) • Of the PROFINET IO device / is supported / H-Sync fonwarding • of the PROFINET IO device / is supported / PROFINET Yes		
number of VLANs - dynamic / maximum product functions / DHCP product function • DHCP client • DHCP Option 82 • DHCP Option 67 Product functions / routing service / routing / note product function • static IP routing Pv6 • dynamic IP routing Pv6 • dynamic IP routing Pv6 • RIPV2 • RIPNG for IPV6 • OSPFV2 • OSPFV2 • VRRP • VRRP • VRRP • VRRP • VRRP for IPV6 • RIPNG • media redundancy Protocol (MRP) with redundancy manager • Media Redundancy Protocol (MRP) with redundancy manager • Media Redundancy Protocol (MRP) is supported / H-Sync forwarding • of the PROFINET IO device / is supported / PROFINET Yes Yes Yes Yes Yes Yes Yes Ye		
product function • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 Product functions / routing service / routing / note product function • static IP routing IPv6 • dynamic IP routing IPv6 • dynamic IP routing IPv6 • RIPv2 • RIPnG for IPv6 • SSPFv2 • VRRP • ORD • Media Redundancy Protocol (MRP-I) • of the PROFINET IO device / is supported / PROFINET • Yes		
product function • DHCP Client • DHCP Option 82 • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 Pres product functions / routing service / routing / note product function • static IP routing • static IP routing IPv6 • dynamic IP routing IPv6 • dynamic IP routing IPv6 • RIPv2 • RIPv2 • RIPnG for IPv6 • OSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP for IPv6 • VRRP • VRRP for IPv6 product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) product functions / redundancy product functions / redundancy Protocol (MRP-I) • of the PROFINET IO device / is supported / PROFINET Yes Yes Yes Yes Yes Pres Yes Pres Yes Pres Yes Product function • media redundancy protocol (IMRP-I) • of the PROFINET IO device / is supported / PROFINET Yes	number of All Able discounts / manyimasses	
DHCP client DHCP Option 82 DHCP Option 66 DHCP Option 67 Yes DHCP Option 67 Yes product functions / routing service / routing / note product function static IP routing static IP routing IPv6 static IP routing IPv6 dynamic IP routing IPv6 dynamic IP routing IPv6 respectively a supported RIPv2 Profession of IPv6 SPFv2 OSPFv2 OSPFv3 for IPv6 VRRP VRR		255
DHCP Option 82 DHCP Option 66 Yes DHCP Option 67 Yes Product functions / routing service / routing / note product function	product functions / DHCP	255
DHCP Option 66 DHCP Option 67 Yes product functions / routing service / routing / note product function • static IP routing Yes • static IP routing Yes • static IP routing Yes • dynamic IP routing Yes • dynamic IP routing Yes • dynamic IP routing Yes protocol / is supported • RIPv2 • RIPv2 • RIPv6 for IPv6 • OSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP • VRRP • VRRP	product functions / DHCP product function	
DHCP Option 67 Yes product functions / routing service / routing / note product function • static IP routing • static IP routing • static IP routing IPv6 • dynamic IP routing • dynamic IP routing IPv6 protocol / is supported • RIPv2 • RIPnG for IPv6 • OSPFv2 • OSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP • VRRP for IPv6 • VRRP • VRRP • VRRP for IPv6 • VRRP	product functions / DHCP product function • DHCP client	Yes
product functions / routing service / routing / note product function • static IP routing Yes • static IP routing Yes • dynamic IP routing Yes • dynamic IP routing IPv6 • RIPV2 • RIPV2 • RIPV3 • OSPFV2 • OSPFV2 • VRRP • VRRP • VRRP • VRRP • VRRP for IPv6 • VRRP • VRRP for IPv6 • VRRP • VRRP or IPv6 • VRRP • VRRP for IPv6 • VRRP • VRRP • VRRP • VRRP for IPv6 • VRRP •	product functions / DHCP product function • DHCP client • DHCP Option 82	Yes Yes
service / routing / note product function • static IP routing • static IP routing IPv6 • static IP routing IPv6 • dynamic IP routing IPv6 • dynamic IP routing IPv6 protocol / is supported • RIPv2 • RIPnG for IPv6 • OSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP • VRRP for IPv6 product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / PROFINET Yes Provance IP routing in combination with KEY-PLUG XM-400 Yes Yes • tatic IP routing in combination with KEY-PLUG XM-400 Yes Yes • dynamic IP routing IPv6 Yes Protocol / is supported / Media Redundancy Protocol (MRP) Yes • of the PROFINET IO device / is supported / PROFINET Yes	product functions / DHCP product function • DHCP client • DHCP Option 82 • DHCP Option 66	Yes Yes Yes
product function • static IP routing • static IP routing IPv6 • dynamic IP routing • dynamic IP routing IPv6 Protocol / is supported • RIPv2 • RIPnG for IPv6 • OSPFv2 • OSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP • VRRP • VRRP for IPv6 Product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / H-Sync forwarding • of the PROFINET IO device / is supported / PROFINET Yes	product functions / DHCP product function • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67	Yes Yes Yes
static IP routing static IP routing IPv6 dynamic IP routing dynamic IP routing IPv6 dynamic IP routing IPv6 dynamic IP routing IPv6 yes dynamic IP routing IPv6 yes rotocol / is supported RIPv2 RIPnG for IPv6 Yes OSPFv2 OSPFv3 for IPv6 VRRP VRRP VRRP VRRP for IPv6 yes product functions / redundancy product function	product functions / DHCP product function • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 product functions / routing	Yes Yes Yes Yes
static IP routing IPv6 dynamic IP routing dynamic IP routing IPv6 dynamic IP routing IPv6 dynamic IP routing IPv6 yes protocol / is supported RIPv2 RIPnG for IPv6 Yes OSPFv2 OSPFv3 for IPv6 VRRP VRRP VRRP Yes VRRP for IPv6 Yes product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function media redundancy protocol (MRP) with redundancy manager Media Redundancy Protocol Interconnection (MRP-I) of the PROFINET IO device / is supported / PROFINET Yes Yes Yes Yes Yes Yes Yes	product functions / DHCP product function • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 product functions / routing service / routing / note	Yes Yes Yes Yes
• dynamic IP routing • dynamic IP routing IPv6 • dynamic IP routing IPv6 protocol / is supported • RIPv2 • RIPnG for IPv6 • OSPFv2 • OSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP • VRRP for IPv6 • VRRP • VRRP for IPv6 product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / PROFINET Yes Yes Yes Yes Yes Yes Yes Ye	product functions / DHCP product function • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 product functions / routing service / routing / note product function	Yes Yes Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400
old dynamic IP routing IPv6 protocol / is supported RIPv2 RIPnG for IPv6 CSPFv2 CSPFv3 VRRP VRRP VRRP VRRP VRRP VRRP for IPv6 Product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) Product function Media Redundancy protocol (MRP) with redundancy manager Media Redundancy Protocol Interconnection (MRP-I) Of the PROFINET IO device / is supported / PROFINET Media Redundancy / Yes Of the PROFINET IO device / is supported / PROFINET Yes	product functions / DHCP product function • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 product functions / routing service / routing / note product function • static IP routing	Yes Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes
protocol / is supported • RIPv2 Yes • RIPnG for IPv6 Yes • OSPFv2 Yes • OSPFv3 for IPv6 Yes • VRRP • VRRP Yes • VRRP for IPv6 Yes product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) Yes product function • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) Yes • of the PROFINET IO device / is supported / PROFINET Yes	product functions / DHCP product function • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 product functions / routing service / routing / note product function • static IP routing IPv6	Yes Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes
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VRRP for IPv6 Yes product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function media redundancy protocol (MRP) with redundancy manager Media Redundancy Protocol Interconnection (MRP-I) of the PROFINET IO device / is supported / H-Sync forwarding of the PROFINET IO device / is supported / PROFINET Yes	product functions / DHCP product function • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 product functions / routing service / routing / note product function • static IP routing • static IP routing IPv6 • dynamic IP routing • dynamic IP routing IPv6 protocol / is supported • RIPv2 • RIPnG for IPv6	Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes Yes Yes Yes
product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / H-Sync forwarding • of the PROFINET IO device / is supported / PROFINET Yes	product functions / DHCP product function • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 product functions / routing service / routing / note product function • static IP routing • static IP routing IPv6 • dynamic IP routing IPv6 protocol / is supported • RIPv2 • RIPnG for IPv6 • OSPFv2	Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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 of the PROFINET IO device / is supported / H-Sync forwarding of the PROFINET IO device / is supported / PROFINET Yes 	product functions / DHCP product function • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 product functions / routing service / routing / note product function • static IP routing • static IP routing IPv6 • dynamic IP routing IPv6 protocol / is supported • RIPv2 • RIPnG for IPv6 • OSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP for IPv6 product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP)	Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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* ingris golundancy * in pile gred redundancy protocol (HRP) with redundancy manager * in pile gred redundancy protocol (HRP) with standby resundancy * colundancy procedure RRIP * columbary		**
manager * night speed redundancy protector (HRP) with standby redundancy procedure RSTP * endundancy procedure RSTP * endure RSTP *		Yes
redundancy procedure STP		Yes
- edundancy procedure RSTP		Yes
Hedundancy procedure NSTP	 redundancy procedure STP 	Yes
• redundancy procedure MSTP yes probocol / a supported • LACP yes yes yes yes yes yes yes ye	 redundancy procedure RSTP 	Yes
Possible tisting	redundancy procedure RSTP+	Yes
protocol / is supported **LACP** System modification during operation product function / configuration in RUN via CIRAH-CIR **product function / security product function / security product function / security product function **IEEE BQC 1x (radius)* **broadcast/multicast/unicast limiter** **products functions* **SRH** **product functions* **SRH** **SSH** **SSH** **SSH** **SSH** **SSH** **SSH** **SICOK supported* **SITP** **SITP** **SITP** **SITP** **SITP** **SITP** **SITP** **SITP** **Centificate of suitability* **Centificate	• redundancy procedure MSTP	Yes
**SALEM TO CALL TRANSPORT OF CASE OF C	passive listening	Yes
product function / zonfiguration in RUN via CiRN+CiR	protocol / is supported	
product function / configuration in RUN via CIRIH-CIR product function / security product function EEE 802.1x (radius)	• LACP	Yes
product functions / security product function EEEE 802.1x (radius)	system modification during operation	
product function IEEE 802.1x (radius) Introductast/multicast/unicast limiter Introducts blocking Prospect of is supported Introduct function	product function / configuration in RUN via CiR/H-CiR	Yes
product function IEEE 802.1x (radius) Introductast/multicast/unicast limiter Introducts blocking Prospect of is supported Introduct function		
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product function SICL OCK support NTP-Client Yes NTP Client Yes Protocol / is supported NTP SNTP SNTP SNTP SNTP Yes Standards, specifications, approvals certificate of suitability CE marking Cfor safety / from CSA and UL Standards of or safety / from CSA and UL Standards of Sutability ATEX CHIECE UKEX HEX Pes UKEX Pes UKEX Pes UKEX Pes UKEX Pes UKEX Pes UKEX Pes CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard Pes FM registration Standards, specifications, approvals / other Certificate of suitability ATEX Pes UKEX Pes Pes NUMBRICH Pes Pes Pes Pes Pes Pes Pes Pe		1 00
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NTP-client SNTP Client Yes SNTP SNTP SNTP Yes SINTP CE marking	·	Von
SNTP client Protocol / is supported NTP SNTP Yes SIANTP Yes Certificate of suitability CE marking Yes Regulatory Compliance Mark (RCM) Yes Regulatory Compliance Mark (RCM) Yes Standard • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL SIANTATES, specifications, approvals / hazardous environments Certificate of suitability ATEX UKEX IECEX Ves ULhazioc approval CCC / for hazardous zone according to GB standard Yes * FM registration STANTATORY AND SARPER SARPERICATIONS, approvals / other Certificate of suitability • RoHS conformity RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability • RoHS conformity Yes Standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) PolNX GL • Polski Regist Statkow (PS) • Nippon Kaiji Kyokai (NK) Polski Regist Statkow (PS) Polski Regist Statkow (PS) Yes Royal Institution of Naval Architects (RINA) Yes	**	
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• NTP Yes • SNTP Yes standards, specifications, approvals certificate of suitability • CE marking Yes • CULus approval Yes • Regulatory Compliance Mark (RCM) Yes standardr • for EMC interference emission EN 61000-6-4 (Class A) • for immunity to EMC EN 61000-6-2 • for safety / from CSA and UL UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 standards, specifications, approvals / hazardous environments certificate of suitability • ATEX Yes • UKEX Yes • UCECX Yes • ULhazloc approval • FM registration • FM registration standards, specifications, approvals / other certificate of suitability • RoHS conformity standards, specifications, approvals / other certificate of suitability • RoHS conformity standards, specifications, approvals / other certificate of suitability • RoHS conformity Yes standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) Yes • French marine classification society (BV) • DNN CL Yes • Lloyds Register of Shipping (LRS) • Polsk Regists Tothous (RINA) • Polsk Regists Tothous (RINA) • Royal Institution of Naval Architects (RINA)		Yes
SINTP Standards, specifications, approvals certificate of suitability © E marking © CULus approval © Regulatory Compliance Mark (RCM) Standard © for EMC interference emission © for immunity to EMC © for immunity to EMC © for stardy / from CSA and UL Standards, specifications, approvals / hazardous environments certificate of suitability © ATEX © MEXEX © IECEX © ULECEX © ULAZIOC approval © CCC / for hazardous zone according to GB standard © FM registration Standards, specifications, approvals / other certificate of suitability © ATEX © MEXEX © BECEX © STANDARD STAND		
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certificate of suitability CE marking CE marking CULus approval CK approval C		Yes
CE marking CULus approval KC approval KC approval Regulatory Compliance Mark (RCM) Standard In or EMC interference emission In or safety / from CSA and UL StandardS, specifications, approvals / hazardous environments Certificate of suitability ATEX Ves ULKEX Ves ULHazloc approval CCC / for hazardous zone according to GB standard CCC / for hazardous, specifications, approvals / other Certificate of suitability Robbs StandardS, specifications, approvals / other Certificate of suitability Robbs StandardS, specifications, approvals / other Certificate of suitability Robbs StandardS, specifications, approvals / other Certificate of suitability Robbs StandardS, specifications, approvals / other Certificate of suitability Robbs StandardS, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Ulcyds Register of Shipping (LRS) Robbs	standards, specifications, approvals	
CULLus approval KC approval KC approval KC approval Regulatory Compliance Mark (RCM) Yes *Regulatory Compliance Mark (RCM) *Yes *Standard **For EMC interference emission For immunity to EMC **For Safety / from CSA and UL **Standards, specifications, approvals / hazardous environments **Certificate of suitability **ATEX **UKEX **UKEX **UKEX **ULKEX **ULKEX **ULKEX **ULKEX **ULKEX **ULKEX **OULHAZIOC approval **CCC / for hazardous zone according to GB standard **Standards, specifications, approvals / other **Certificate of suitability **RoHS conformity **Standards, specifications, approvals / other **Certificate of suitability **RoHS conformity **Standards, specifications, approvals / marine classification **Marine classification association **American Bureau of Shipping Europe Ltd. (ABS) **French marine classification society (BV) **Yes **Uloyds Register of Shipping (LRS) **Polyd Register of Shipping (LRS) **Yes **Nippon Kajij Kyokai (NK) **Polski Rejestr Statkow (PRS) **Royal Institution of Naval Architects (RINA) **Yes **Polski Rejestr Statkow (PRS) **Royal Institution of Naval Architects (RINA) **Yes **Polski Rejestr Statkow (PRS) **Royal Institution of Naval Architects (RINA) **Yes ***Polski Rejestr Statkow (PRS) **Royal Institution of Naval Architects (RINA) **Yes	certificate of suitability	
• KC approval • Regulatory Compliance Mark (RCM) standard • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL standards, specifications, approvals / hazardous environments certificate of suitability • ATEX • UKEX • UKEX • ULhazloc approval • CCC / for hazardous zone according to GB standard • FM registration standards, specifications, approvals / other certificate of suitability • ROHS conformity standards, specifications, approvals / other certificate of suitability • RoHS conformity • RoHS conformity standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA)	 CE marking 	Yes
• Regulatory Compliance Mark (RCM) standard • for EMC Interference emission • for immunity to EMC • for safety / from CSA and UL standards, specifications, approvals / hazardous environments certificate of suitability • ATEX • UKEX • ULFAZIOR ASPROVALE • (To registration) • FM registration standards, specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard • FM registration standards, specifications, approvals / other certificate of suitability • CROSS ASSESS	cULus approval	Yes
standard • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL standards, specifications, approvals / hazardous environments certificate of suitability • ATEX • UKEX • ULhazloc approval • CCC / for hazardous zone according to GB standard • FM registration standards, specifications, approvals / other certificate of suitability • ATEX • UKEX • ULhazloc approval • CCC / for hazardous zone according to GB standard • FM registration standards, specifications, approvals / other certificate of suitability • RoHS conformity standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNY GL • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA)	 KC approval 	Yes
for EMC interference emission for immunity to EMC for safety / from CSA and UL UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Standards, specifications, approvals / hazardous environments certificate of suitability ATEX Yes UKEX Ves IECEx Ves ULhazloc approval CCC / for hazardous zone according to GB standard FM registration FM registrations, approvals / other certificate of suitability RoHS conformity RoHS conformity Pes standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Polski Rejestr Statkow (PRS) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Ves **CEC / for hazardous provals / marinestability **Yes **Sundards, specifications, approvals / nother certificate of suitability **Pes **Standards, specifications, approvals / other certifications, approvals / other **Ceck / fee **Present marine classification society (BV) **Yes **Sundards, specifications, approvals / other **Ceck / fee **ULhazlocations	Regulatory Compliance Mark (RCM)	Yes
for immunity to EMC for safety / from CSA and UL UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 standards, specifications, approvals / hazardous environments certificate of suitability ATEX Yes UKEX Ves UKEX Ves ULhazloc approval CCC / for hazardous zone according to GB standard FM registration Yes standards, specifications, approvals / other certificate of suitability RoHS conformity Yes standards, specifications, approvals / marine classification Marine classification, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) Yes	standard	
for safety / from CSA and UL Standards, specifications, approvals / hazardous environments certificate of suitability	 for EMC interference emission 	EN 61000-6-4 (Class A)
standards, specifications, approvals / hazardous environments certificate of suitability	 for immunity to EMC 	EN 61000-6-2
certificate of suitability • ATEX • UKEX • UKEX • ULhazloc approval • CCC / for hazardous zone according to GB standard • FM registration • FM registration yes standards, specifications, approvals / other certificate of suitability • RoHS conformity • RoHS conformity * Standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) Yes	 for safety / from CSA and UL 	UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03
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certificate of suitability RoHS conformity Yes standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) Yes	IECExULhazloc approvalCCC / for hazardous zone according to GB standard	Yes Yes Yes
RoHS conformity 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	 IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration 	Yes Yes 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	IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other	Yes Yes Yes
Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) Yes	IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability	Yes Yes Yes Yes
 American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) 	IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability RoHS conformity	Yes Yes Yes Yes
 French marine classification society (BV) DNV GL Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) 	IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability RoHS conformity standards, specifications, approvals / marine classification	Yes Yes Yes Yes
 DNV GL Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) Yes Yes	IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability RoHS conformity standards, specifications, approvals / marine classification Marine classification association	Yes Yes Yes Yes Yes
 Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) Yes Yes	IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability ROHS conformity standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS)	Yes Yes Yes Yes Yes Yes
 Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) Yes Yes	IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability RoHS conformity standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV)	Yes Yes Yes Yes Yes Yes
 Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) Yes 	IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability RoHS conformity standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL	Yes Yes Yes Yes Yes Yes Yes Yes
Royal Institution of Naval Architects (RINA) Yes	IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability RoHS conformity standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Lloyds Register of Shipping (LRS)	Yes
	IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability RoHS conformity standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK)	Yes
product functions / general	IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability RoHS conformity standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS)	Yes Yes Yes Yes Yes Yes Yes Yes Ye
	IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability RoHS conformity standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA)	Yes Yes Yes Yes Yes Yes Yes Yes Ye

urther information / internet links

internet link

• to website: Selection guide for cables and connectors

• to web page: selection aid TIA Selection Tool

• to website: Industrial communication

to web page: SiePortal to website: Image database

• to website: CAx-Download-Manager

• to website: Industry Online Support

https://support.industry.siemens.com/cs/ww/en/view/109766358

https://www.siemens.com/tstcloud

https://www.siemens.com/simatic-net

https://sieportal.siemens.com/

https://www.automation.siemens.com/bilddb

https://www.siemens.com/cax

https://support.industry.siemens.com

security information

security information

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Approvals / Certificates

General Product Approval



Declaration of Conformity



EAI





General Product Approval

EMV

For use in hazardous locations

Special Test Certificate



<u>KC</u>





FΜ

For use in hazardous locations **Test Certificates**

Marine / Shipping

CCC-Ex

Type Test Certificates/Test Report









Marine / Shipping

Environment

Industrial Communication

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Confirmation

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