6GK5416-4GS00-2AM2





SCALANCE XM416-4C; managed modular IE switch; 16x 10/100/1000 Mbit/s RJ45; 4x 100/1000 Mbit/s SFP; contains 4 combo ports; in total 16 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	XM416-4C
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 	16; RJ45 with securing collar
number of 10/100/1000 Mbit/s RJ45 ports	
with securing collar	16
number of electrical connections	
• for SFP	4; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver
number of combo ports / with RJ45 interface for optical plug-in transceiver	4; 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	8
with securing collar / with PoE	8
number of 100 Mbit/s LC ports	
• for multimode	12
for single mode (LD)	12
for single mode (LH+)	12
• for single mode (ELH200)	12
number of 1000 Mbit/s LC ports	
• for multimode	12
for single mode (LD)	12
 for single mode (LH) 	12
for single mode (LH+)	12
• for single mode (ELH)	12
number of electrical connections	
• for SFP	12
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	180 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	
 at 25 °C / without condensation / during operation / 	95 %
maximum	
protection class IP	IP20
design, dimensions and weights	
design	modular
width	140 mm
height	147 mm
denth	
depth	125 mm
net weight	125 mm 1.25 kg
net weight fastening method	1.25 kg
net weight fastening method • 35 mm top hat DIN rail mounting	1.25 kg Yes
net weight fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting	1.25 kg Yes Yes
net weight fastening method	1.25 kg Yes Yes Yes
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 / gene	1.25 kg Yes Yes Yes
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	1.25 kg Yes Yes Yes
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 / gene cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	1.25 kg Yes Yes Yes Yes 50
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 / gene cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology	1.25 kg Yes Yes Yes Yes
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 / gene 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	1.25 kg Yes Yes Yes Yes 50
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	1.25 kg Yes Yes Yes Yes any (depending only on signal propagation time)
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	1.25 kg Yes Yes Yes Yes Yes Pral 50 any (depending only on signal propagation time) Yes
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	1.25 kg Yes Yes Yes Yes Yes any (depending only on signal propagation time) Yes Yes
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 / gene 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	1.25 kg Yes Yes Yes Yes Yes anal 50 any (depending only on signal propagation time) Yes Yes Yes
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 / gene 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	1.25 kg Yes Yes Yes Yes any (depending only on signal propagation time) Yes Yes Yes Yes Yes
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	1.25 kg Yes Yes Yes Yes Yes Pral 50 any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes
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	1.25 kg Yes Yes Yes Yes Yes Pral 50 any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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	1.25 kg Yes Yes Yes Yes Yes Oral 50 any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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 / gene 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	1.25 kg Yes Yes Yes Yes Yes Yes any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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 / gene 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	1.25 kg Yes Yes Yes Yes aral 50 any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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 / gene 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	1.25 kg Yes Yes Yes Yes Yes Pral 50 any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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	1.25 kg Yes Yes Yes Yes Yes any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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 / gene 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	1.25 kg Yes Yes Yes Yes Yes any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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 / gene 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	1.25 kg Yes Yes Yes Yes Yes Yes any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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 / gene 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	1.25 kg Yes Yes Yes Yes Yes any (depending only on signal propagation time) 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 Z55 number of VLANs / maximum Z55 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 DHCP Option 67 Yes product function static IP routing / note product function static IP routing IPv6 dynamic IP routing IPv6 dynamic IP routing IPv6 ves static IP routing IPv6 ves ves ves PelPv2 RIPv2 Ves RIPv2 Ves VRRP VRRP VRRP vosPrv3 for IPv6 ves vosPrv3 for IPv6 ves vosPrv3 for IPv6 ves vosPrv3 for IPv6 ves vosPrv4 fo	·	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-based VLAN - protocol-based VLAN - protocol-based VLAN - system -		
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 • Media Redundancy Protocol (MRP) OPS • of the PROFINET 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 • Of the PROFINET IO device / is supported / PROFINET • Yes • Of the PROFINET IO device / is supported / PROFINET • Yes • OFF • VRRP • OFF • O		
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 I Device / is supported / HSync 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 • RIPV2 Yes • OSPFv2 Yes • OSPFv2 Yes • OSPFv2 Yes • VRRP • VRRP for IPv6 Yes product functions / Yes product functions / Yes • VRRP Yes • VRRP Yes • VRRP or IPv6 • Media Redundancy Protocol (MRP) Yes • Media Redundancy Protocol Interconnection (MRP-1) • of the PROFINET IO device / is supported / PROFINET Yes • of the PROFINET IO device / is supported / PROFINET Yes • of the PROFINET IO device / is supported / PROFINET Yes		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 Pv6 • dynamic IP routing Pv6 • dynamic IP routing Pv6 • RIPV2 • RIPNG for IPv6 • SIPV2 • NRRP • OSPFV2 • Ves • VRRP IPv6 • VRRP • VRRP Yes • VRRP Tor IPv6 • VRRP • VRRP Tor IPv6 • MRRP product function • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / PROFINET • of the PROFINET IO device / is supported / PROFINET		
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 duramia / magazina una	
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 Professional of the PROFINET IO device / is supported / PROFINET Media Redundancy Protocol is supported / PROFINET of the PROFINET IO device / is supported / PROFINET ves v		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 static 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 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 Of the PROFINET IO device / is supported / PROFINET Yes	product functions / DHCP product function	
DHCP Option 67 Yes 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 • OSPFv2 • OSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP for IPv6 • VRRP • VRRP for IPv6 • VRRP • VRRP for IPv6 • VRRP for IPv6 • VRRP for IPv6 • VRRP • VRRP for IPv6 • VRRP for IPv6 • VRRP • VRRP for IPv6 • VRRP for IPv6 • VRRP • VRRP • VRRP • VRRP for IPv6 • VRRP • VR	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 / 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	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
 RIPv2 RIPnG for IPv6 Yes OSPFv2 Yes OSPFv3 for IPv6 Yes VRRP 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	Yes Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes
RIPnG for IPv6 OSPFv2 Yes OSPFv3 for IPv6 Yes VRRP VRRP VRRP for IPv6 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 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 • static IP routing • static IP routing IPv6 • dynamic IP routing	Yes Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes
OSPFv2 OSPFv3 for IPv6 Yes 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 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 • static IP routing • static IP routing IPv6 • dynamic IP routing IPv6	Yes Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes
OSPFv3 for IPv6 VRRP VRRP Ves VRRP for IPv6 Yes roduct functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function omedia 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	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	Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes Yes Yes Yes
VRRP 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 IPv6 protocol / is supported • RIPv2	Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes Yes Yes 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 / 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
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 • OSPFv3 for IPv6	Yes Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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 • OSPFv3 for IPv6 • VRRP	Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 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 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 • OSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP for IPv6	Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 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 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	Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 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
 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) product function • media redundancy protocol (MRP) with redundancy	Yes Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
of the PROFINET IO device / is supported / PROFINET Yes	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) product function • media redundancy protocol (MRP) with redundancy manager	Yes Yes Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes 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 • 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) product function • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / H-Sync	Yes Yes Yes Yes Yes Yes IP routing in combination with KEY-PLUG XM-400 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye

	V
• ring redundancy	Yes
 high speed redundancy protocol (HRP) with redundancy manager 	Yes
 high speed redundancy protocol (HRP) with standby redundancy 	Yes
redundancy procedure STP	Yes
redundancy procedure RSTP	Yes
• redundancy procedure RSTP+	Yes
redundancy procedure MSTP	Yes
passive listening	Yes
protocol / is supported	
• LACP	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
product functions / security	
product function	
• IEEE 802.1x (radius)	Yes
broadcast/multicast/unicast limiter	Yes
broadcast flocking broadcast blocking	Yes
protocol / is supported	
SSH	Yes
• SSL	Yes
product functions / time	100
product function	Voc
SICLOCK support	Yes
NTP-client	Yes
SNTP client	Yes
protocol / is supported	V.
• NTP	Yes
• SNTP	Yes
standards, specifications, approvals	
certificate of suitability	V.
CE marking	Yes
CE markingUKCA marking	Yes
CE markingUKCA markingcULus approval	Yes Yes
CE markingUKCA markingcULus approvalKC approval	Yes Yes Yes
 CE marking UKCA marking cULus approval KC approval Regulatory Compliance Mark (RCM) 	Yes Yes
CE marking UKCA marking CULus approval KC approval Regulatory Compliance Mark (RCM) standard	Yes Yes Yes
CE marking UKCA marking CULus approval KC approval Regulatory Compliance Mark (RCM) standard for EMC interference emission	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A)
CE marking UKCA marking cULus approval KC approval Regulatory Compliance Mark (RCM) standard for EMC interference emission for immunity to EMC	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2
CE marking UKCA marking cULus approval KC approval Regulatory Compliance Mark (RCM) standard for EMC interference emission for immunity to EMC for safety / from CSA and UL	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03
CE marking UKCA marking CULus approval 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	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03
CE marking UKCA marking CULus approval 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	Yes Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03
CE marking UKCA marking CULus approval 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	Yes Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes
CE marking UKCA marking cULus approval 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	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes
CE marking UKCA marking CULus approval 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 IECEX	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes
CE marking UKCA marking CULus approval 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	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes
CE marking UKCA marking CULus approval 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 UECEX ULhazloc approval CCC / for hazardous zone according to GB standard	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes Yes Yes Yes
CE marking UKCA marking CULus approval 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	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes
CE marking UKCA marking CULus approval 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 IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes Yes Yes Yes
CE marking UKCA marking CULus approval 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 UECEX ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes Yes Yes Yes
CE marking UKCA marking CULus approval 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 UECEX 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 Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
CE marking UKCA marking CULus approval 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 UECEX ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability ROHS conformity resistance to air pollution / conformity according to ANSI/ISA-	Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
CE marking UKCA marking CULus approval 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 IECEX ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability ROHS conformity resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
CE marking UKCA marking CULus approval 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 UECEX ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability ROHS conformity resistance to air pollution / conformity according to ANSI/ISA-	Yes Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
CE marking UKCA marking CULus approval 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 UCCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability ROHS conformity resistance to air pollution / conformity according to ANSI/ISA-71.04 standards, specifications, approvals / marine classification Marine classification association	Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
CE marking UKCA marking CULus approval 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 IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability ROHS conformity resistance to air pollution / conformity according to ANSI/ISA-71.04 standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS)	Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
CE marking UKCA marking UKCA marking CULus approval 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 IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability ROHS conformity resistance to air pollution / conformity according to ANSI/ISA-71.04 standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV)	Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
CE marking UKCA marking UKCA marking CULus approval 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 IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability ROHS conformity resistance to air pollution / conformity according to ANSI/ISA-71.04 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 EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
CE marking UKCA marking UKCA marking CULus approval 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 IECEx ULhazloc approval CCC / for hazardous zone according to GB standard FM registration standards, specifications, approvals / other certificate of suitability ROHS conformity resistance to air pollution / conformity according to ANSI/ISA-71.04 standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV)	Yes Yes Yes Yes EN 61000-6-4 (Class A) EN 61000-6-2 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye

further 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









General Product Approval

EMV

For use in hazardous locations



<u>KC</u>



CEx



<u>FM</u>

CCC-Ex

Test Certificates

Marine / Shipping

Type Test Certificates/Test Report









NK / Nippon Kaiji Kyokai

Marine / Shipping

Environment

Industrial Communication





<u>Confirmation</u> <u>PROFINET</u>

last modified: 1/28/2025 🖸