## 6GK5853-2EA00-2DA1

**Data sheet** 



SCALANCE MUM853-1 5G router (EU), IP30, for wireless IP communication of Ethernet-based applications via public 3/4/5G mobile radio networks and private 5G networks, , VPN, firewall, NAT, IPv6, connection to SINEMA RC via CLP, 4 SMA connections, 1x micro SIM slot, 4x10/100/1000 Mbps RJ45 port, redundant DC 24 V, -30... +60 °C, CLP slot, 1x DI and 1x DO, observe national approvals!

transfer rate / for Industrial Ethernet  transfer rate  with UMTS transmission / with downlink / maximum  with UMTS transmission / with uplink / maximum  for LTE transmission / with uplink / maximum  for LTE transmission / with uplink / maximum  for LTE transmission / with uplink / maximum  for SG transmission / with uplink / maximum  for settlemsmission / with uplink / maximum  for external antennal equipment  for e	transfer rate	
with UMTS transmission / with uplink / maximum with UMTS transmission / with uplink / maximum for LTE transmission / with uplink / maximum for LTE transmission / with uplink / maximum for LTE transmission / with uplink / maximum for SG transmission / with downlink / maximum for selectrical connections for network components or terminal equipment for power supply for redundant voltage supply for redundant voltage supply for redundant voltage supply for external antenna(s) for oxeternal antenna(s) for oxeternal antenna(s) for oxeternal antenna(s) for external antenna(s) for external antennal antenna(s) for external antennal for external antennal strip for external antennal for external antennal strip for external antennal for external for external strip for external antennal for external for	transfer rate / for Industrial Ethernet	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
with UMTS transmission / with uplink / maximum     for LTE transmission / with downlink / maximum     for LTE transmission / with downlink / maximum     for SG transmission / with uplink / maximum     inumber of electrical/optical connections / for network components or terminal equipment / maximum     number of electrical/optical connections / for gigabit Ethernet / maximum     number of electrical connections - for gigabit Ethernet / mumber of electrical connections     for network components or terminal equipment - 4     number of electrical connections     for or external antenna(s) - for power supply - 1     for or edundant voltage supply - 1     type of electrical connection     for internal network - for internal network - for external antenna(s) - for internal antenna(s) - for internal network - for external antenna(s) - for power supply - for network - for external antenna(s) - for power supply - for power supply - for power supply - for power supply - for external antenna(s) - for internal network - for external antenna(s) - for internal network - for external antenna(s) - for power supply - for external antenna(s) - for betternal antenna(s) - for betternal antenna(s) - for betternal antenna(s) - for power supply - for external antenna(s) - for internal network - for internal network - for external network - for external network - for internal netw	transfer rate	
• for LTE transmission / with downlink / maximum     • for SC transmission / with uplink / maximum     • for SG transmission / with uplink / maximum     • for SG transmission / with uplink / maximum     • for SG transmission / with uplink / maximum     • for SG transmission / with uplink / maximum     • for SG transmission / with uplink / maximum     soon Mbit/s  ### Interfaces  **Provided Registration of electrical/optical connections / for network components or terminal equipment / maximum  ### number of electrical connections / for gigabit Ethernet / maximum  ### number of electrical connections  ### of or network components or terminal equipment  ### number of electrical connections  ### of or external antenna(s)  ### of or internal network  ### of or power supply  ### of or external antenna(s)  ### of or power supply  ### of or external antenna(s)  ### of or power supply  ### of or external antenna(s)  ### of or power supply  ### of or external antenna(s)  ### of or external antenna(s)  ### of or power supply  ### of or external antenna(s)  ### of or power supply  ### of or external antenna(s)  ### of or external antenna(s)  ### of or power supply  ### of or external antenna(s)  ### of or power supply  ### of or external antenna(s)  ### of o	<ul> <li>with UMTS transmission / with downlink / maximum</li> </ul>	42 Mbit/s
• for LTE transmission / with uplink / maximum • for 5G transmission / with uplink / maximum 500 Mbit/s • for 5G transmission / with uplink / maximum 500 Mbit/s  interfaces  number of electrical/optical connections / for network components or terminal equipment / maximum number of electrical/optical connections / for gigabit Ethernet / maximum number of electrical connections • for network components or terminal equipment number of electrical connections • for external antenna(s) • for power supply • for external antenna(s) • for external antenna(s) • for external antenna(s) • for power supply  number of slots / for Micro-SIM card design of the removable storage / CLP  signal inputs/outputs number of digital outputs  1 type of electrical connection / at the digital inputs/outputs • at digital input • at digital output  very own increases in the formal inputs/outputs • at digital input • at digital input • at digital input • at digital output • at digital input • at digital output • at digital output  very own increases in the formal inputs/outputs • at digital output • DC, -30 V 30 V • DC 24 V / 0.5 A • Department / of the signaling contacts / at DC / at 30 V / maximum  very port wireless service / is supported  frequency band / is supported	<ul><li>with UMTS transmission / with uplink / maximum</li></ul>	5.76 Mbit/s
• for 5G transmission / with downlink / maximum • for 5G transmission / with uplink / maximum 500 Mbit/s  number of electrical/optical connections / for network components or terminal equipment / maximum number of electrical optical connections / for gigabit Ethernet / maximum number of electrical connections / for gigabit Ethernet / maximum number of electrical connections • for network components or terminal equipment 4 number of electrical connections • for network components or terminal equipment 4 number of electrical connections • for network components or terminal equipment 4 number of electrical connections • for external antenna(s) 4 • for power supply 1 • for redundant voltage supply 1 type of electrical connection • for internal network RJ45 port (10/100/1000 Mbps, TP, auto-crossover) • for external antenna(s) SMA antenna socket (50 ohms) • for power supply 5-pole terminal strip  number of slots / for Micro-SIM card 1 design of the removable storage / CLP Yes  signal inputs/outputs number of digital outputs 1 number of digital outputs 1 type of electrical connection / at the digital inputs/outputs • at digital input • at digital input DC, -30 V 30 V DC 24 V / 0.5 A For public inetworks, SG private networks, LTE, UMTS HSDPA, HSDP	• for LTE transmission / with downlink / maximum	1000 Mbit/s
• for 5G transmission / with uplink / maximum  Interfaces  number of electrical/optical connections / for network components or terminal equipment / maximum  number of electrical connections / for gigabit Ethernet / maximum  number of electrical connections  • for network components or terminal equipment 4  number of electrical connections  • for network components or terminal equipment 4  number of electrical connections  • for external antenna(s) 4 • for power supply 1 • for redundant voltage supply 1  • for redundant voltage supply 1  • for internal network RJ45 port (10/100/1000 Mbps, TP, auto-crossover)  • for external antenna(s) SMA antenna socket (50 ohms) • for power supply 5-pole terminal strip  memory  number of slots / for Micro-SIM card 1  design of the removable storage / CLP Yes  signal inputs/outputs  number of digital inputs 1  number of digital outputs 1  number of digital inputs 1  signal inputs/outputs 1  terminal block  signal range  • at digital input	• for LTE transmission / with uplink / maximum	200 Mbit/s
Interfaces  number of electrical/optical connections / for network components or terminal equipment / maximum  number of electrical/optical connections / for gigabit Ethernet / maximum  number of electrical connections  • for network components or terminal equipment  • for network components or terminal equipment  • for external antenna(s)  • for power supply  • for redundant voltage supply  1 type of electrical connection  • for internal network  • for external antenna(s)  • for power supply  • for redundant voltage supply  1 type of electrical connection  • for internal network  • for external antenna(s)  • for power supply  number of slots / for Micro-SIM card  design of the removable storage / CLP  signal inputs/outputs  number of digital inputs  number of digital inputs  • at digital outputs  • at digital output  • at digital output  • at digital output  • at digital output  • poerational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  frequency band / is supported  #BDPA, HSUPA, HSPA+  #BDPA, HSUPA, HSPA+  #BDPA, HSUPA, HSPA+	• for 5G transmission / with downlink / maximum	1000 Mbit/s
number of electrical/optical connections / for network components or terminal equipment / maximum number of electrical/optical connections / for gigabit Ethernet / maximum number of electrical connections • for network components or terminal equipment 4 number of electrical connections • for external antenna(s) 4 • for external antenna(s) 4 • for redundant voltage supply 1 1 • for redundant voltage supply 1 1 • for redundant voltage supply 1 1 • for internal network For external antenna(s) 5 • for external antenna(s) 5 • for power supply 5 • pole terminal strip 5 • for external antenna(s) 5 • for power supply 5 • pole terminal strip 7 • for external antenna(s) 6 • for power supply 6 • for power supply 7 • for external antenna(s) 6 • for power supply 7 • for external antenna(s) 7 • for external antenna(s) 8 • for power supply 8 • for external antenna(s) 9 • for power supply 9 • for external antenna(s) 9 • for power supply 9 • for power suppl	• for 5G transmission / with uplink / maximum	500 Mbit/s
components or terminal equipment / maximum number of electrical/optical connections / for gigabit Ethernet / maximum number of electrical connections • for network components or terminal equipment 4 number of electrical connections • for external antenna(s) • for power supply • for redundant voltage supply 1 type of electrical connection • for internal network • for external antennal (s) • for internal network • for external antennal (s) • for power supply • for redundant voltage supply 1 type of electrical connection • for internal network • for external antennal (s) • for power supply • for external antennal (s) • for power supply • for external antennal (s) • for external internal (s) • for power supply • for external internal (s) • for internal internal socket (50 ohms) • for power supply • for external internal (s) • for external internal (s) • for external internal (s) • for internal internal (s) • for internal internal (s) • for power supply • for external internal (s) • for internal internal (s) • for power supply • for external internal (s) • for external internal (s) • for external internal (s) • for internal internal (s) • for power supply • for external internal (s) • for e	interfaces	
maximum number of electrical connections • for network components or terminal equipment  • for network components or terminal equipment  • for network components or terminal equipment  • for reternal antenna(s) • for external antenna(s) • for power supply • for redundant voltage supply • for redundant voltage supply • for internal network • for internal network • for external antenna(s) • for power supply • for power supply  number of slots / for Micro-SIM card • design of the removable storage / CLP  signal inputs/outputs  number of digital inputs  number of digital outputs  type of electrical connection / at the digital inputs/outputs  signal range • at digital input • at digital output • at digital output  ODC, -30 V 30 V  poerational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  Fequency band / is supported  FSDPA, HSUPA, HSPA+  Frequency band / is supported		4
• for network components or terminal equipment     number of electrical connections     • for external antenna(s)		4
number of electrical connections  • for external antenna(s) • for power supply • for redundant voltage supply 1  type of electrical connection • for internal network • for external antenna(s) • for power supply • for external antenna(s) • for power supply  sumber of slots / for Micro-SIM card design of the removable storage / CLP  signal inputs/outputs number of digital inputs  1  number of digital outputs  type of electrical connection / at the digital inputs/outputs • at digital input  DC, -30 V 30 V  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  frequency band / is supported  #SDPA, HSUPA, HSPA+  frequency band / is supported	number of electrical connections	
for external antenna(s)         if or power supply         for redundant voltage supply         type of electrical connection         if or external antenna(s)         if or external antenna (s)         if or external antenna(s)         if or external antenna(s)         if or power supply         if or power supply         if or power supply          memory  number of slots / for Micro-SIM card         if design of the removable storage / CLP         yes          ignal inputs/outputs  number of digital inputs         if ye of electrical connection / at the digital inputs outputs         it ye of electrical connection / at the digital inputs/outputs         ignal range         if at digital input         if at digital output         if at signal input with a supported  If ye of wireless network / is supported  If ye of wireless network / is supported  If ye of mobile wireless service / is supported  If ye of mobile wireless service / is supported  If ye of wireless network / is supported	for network components or terminal equipment	4
for power supply         for redundant voltage supply         type of electrical connection	number of electrical connections	
• for redundant voltage supply  type of electrical connection     • for internal network     • for external antenna(s)     • for power supply     • for power supply  memory  number of slots / for Micro-SIM card     design of the removable storage / CLP  signal inputs/outputs  number of digital inputs  number of digital outputs  type of electrical connection / at the digital inputs/outputs  signal range     • at digital output     • at digital output     operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  frequency band / is supported  RJ45 port (10/100/1000 Mbps, TP, auto-crossover)  SMA antenna socket (50 ohms)  5-pole terminal strip  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<ul><li>for external antenna(s)</li></ul>	4
type of electrical connection  • for internal network  • for external antenna(s)  • for power supply  memory  number of slots / for Micro-SIM card  design of the removable storage / CLP  signal inputs/outputs  number of digital inputs  number of digital outputs  1  type of electrical connection / at the digital inputs/outputs  • at digital input  • at digital output  operational current / of the signaling contacts / at DC / at 30 V / maximum  wan connection  type of wireless network / is supported  trequency band / is supported  RJ45 port (10/100/1000 Mbps, TP, auto-crossover)  SMA antenna socket (50 ohms)  5-pole terminal strip  1  1  1  1  1  1  1  1  1  1  1  1  1	<ul><li>for power supply</li></ul>	1
• for internal network     • for external antenna(s)     • for power supply     5-pole terminal strip  memory  number of slots / for Micro-SIM card  design of the removable storage / CLP  signal inputs/outputs  number of digital inputs  number of digital outputs  1  type of electrical connection / at the digital inputs/outputs  • at digital input  • at digital output  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  frequency band / is supported  For power supply  SMA antenna socket (50 ohms)  5-pole terminal strip  1  1  1  1  1  1  1  1  1  1  1  1  1	for redundant voltage supply	1
• for external antenna(s)     • for power supply      memory  number of slots / for Micro-SIM card design of the removable storage / CLP  signal inputs/outputs  number of digital inputs  number of digital outputs  type of electrical connection / at the digital inputs/outputs  signal range     • at digital output  • at digital output  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  trequency band / is supported  frequency band / is supported  SMA antenna socket (50 ohms)  5-pole terminal strip  1  1  Characterial at the digital output  1  Characterial at the digital output of the signal inputs/outputs of the signal inputs/outputs of private networks, LTE, UMTS  HSDPA, HSUPA, HSPA+	type of electrical connection	
• for power supply  memory  number of slots / for Micro-SIM card  design of the removable storage / CLP  yes  signal inputs/outputs  number of digital inputs  number of digital inputs  1  type of electrical connection / at the digital inputs/outputs  signal range  • at digital input  • at digital output  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  type of mobile wireless service / is supported  frequency band / is supported	<ul> <li>for internal network</li> </ul>	RJ45 port (10/100/1000 Mbps, TP, auto-crossover)
number of slots / for Micro-SIM card 1 design of the removable storage / CLP Yes  signal inputs/outputs  number of digital inputs 1 number of digital outputs 1 type of electrical connection / at the digital inputs/outputs terminal block signal range  • at digital input DC, -30 V 30 V • at digital output DC 24 V / 0.5 A operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported 5G public networks, 5G private networks, LTE, UMTS type of mobile wireless service / is supported  frequency band / is supported	<ul><li>for external antenna(s)</li></ul>	SMA antenna socket (50 ohms)
number of slots / for Micro-SIM card  design of the removable storage / CLP  yes  signal inputs/outputs  number of digital inputs  1  type of electrical connection / at the digital inputs/outputs  signal range  • at digital input  • at digital output  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  frequency band / is supported  1  CLP  Yes  Yes  Yes  1  1  DC, -30 V 30 V  DC 24 V / 0.5 A  0.008 A  DC, -30 V 30 V  0.008 A  SG public networks, 5G private networks, LTE, UMTS  HSDPA, HSUPA, HSPA+	• for power supply	5-pole terminal strip
design of the removable storage / CLP  signal inputs/outputs  number of digital inputs  1  number of digital outputs 1  type of electrical connection / at the digital inputs/outputs  signal range  • at digital input  • at digital output  DC, -30 V 30 V  • at digital output  DC 24 V / 0.5 A  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  5G public networks, 5G private networks, LTE, UMTS  type of mobile wireless service / is supported  HSDPA, HSUPA, HSPA+	memory	
number of digital inputs  number of digital outputs  type of electrical connection / at the digital inputs/outputs  signal range  • at digital output  • at digital output  operational current / of the signaling contacts / at DC / at 30 V / maximum  DC, -30 V 30 V  • at digital output  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  frequency band / is supported  HSDPA, HSUPA, HSPA+	number of slots / for Micro-SIM card	1
number of digital inputs  1 number of digital outputs  type of electrical connection / at the digital inputs/outputs  signal range  • at digital input  • at digital output  DC, -30 V 30 V  • at digital output  DC 24 V / 0.5 A  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  type of mobile wireless service / is supported  HSDPA, HSUPA, HSPA+	design of the removable storage / CLP	Yes
number of digital outputs  type of electrical connection / at the digital inputs/outputs  signal range  • at digital input  • at digital output  DC, -30 V 30 V  • at digital output  DC 24 V / 0.5 A  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  SG public networks, 5G private networks, LTE, UMTS  type of mobile wireless service / is supported  HSDPA, HSUPA, HSPA+	signal inputs/outputs	
type of electrical connection / at the digital inputs/outputs  signal range  • at digital input  • at digital output  DC, -30 V 30 V  • at digital output  DC 24 V / 0.5 A  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  type of mobile wireless service / is supported  HSDPA, HSUPA, HSPA+  frequency band / is supported	number of digital inputs	1
signal range  • at digital input  • at digital output  DC, -30 V 30 V  • at digital output  DC 24 V / 0.5 A  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  type of mobile wireless service / is supported  HSDPA, HSUPA, HSPA+  frequency band / is supported	number of digital outputs	1
at digital input  at digital output  DC, -30 V 30 V  DC 24 V / 0.5 A  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  type of mobile wireless service / is supported  HSDPA, HSUPA, HSPA+  frequency band / is supported	type of electrical connection / at the digital inputs/outputs	terminal block
at digital output     DC 24 V / 0.5 A  operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  type of mobile wireless service / is supported  HSDPA, HSUPA, HSPA+  frequency band / is supported	signal range	
operational current / of the signaling contacts / at DC / at 30 V / maximum  WAN connection  type of wireless network / is supported  type of mobile wireless service / is supported  HSDPA, HSUPA, HSPA+  frequency band / is supported	at digital input	DC, -30 V 30 V
maximum  WAN connection  type of wireless network / is supported  type of mobile wireless service / is supported  HSDPA, HSUPA, HSPA+  frequency band / is supported	at digital output	DC 24 V / 0.5 A
type of wireless network / is supported  5G public networks, 5G private networks, LTE, UMTS  type of mobile wireless service / is supported  HSDPA, HSUPA, HSPA+  frequency band / is supported		A 800.0
type of mobile wireless service / is supported HSDPA, HSPA+ frequency band / is supported	WAN connection	
frequency band / is supported	type of wireless network / is supported	5G public networks, 5G private networks, LTE, UMTS
	type of mobile wireless service / is supported	HSDPA, HSUPA, HSPA+
• 5G Standalone (SA) n1, n3, n5, n7, n8, n12, n20, n28, n38, n40, n41, n48, n71, n77, n78, n79	frequency band / is supported	
	• 5G Standalone (SA)	n1, n3, n5, n7, n8, n12, n20, n28, n38, n40, n41, n48, n71, n77, n78, n79

• 5G Non-Standalone (NSA)	n1, n3, n5, n7, n8, n20, n28, n38, n40, n41, n48, n66, n77, n78, n79
• LTE	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26,
LIMTO	B28, B29, B30, B32, B66, B71, B34, B38, B39, B40, B41, B42, B43, B46, B48
UMTS  Augustus Valtage august apparential payor lace	B1, B2, B3, B4, B5, B8
supply voltage, current consumption, power loss	radundant naviar aunaly 24 V DC
type of voltage / of the supply voltageconsumed current	redundant power supply, 24 V DC
at DC / at 24 V / typical	0.35 A
supply voltage / 1 / rated value	24 V
• type of voltage / 1 / of the supply voltage	DC
supply voltage / 2 / rated value	24 V
• type of voltage / 2 / of the supply voltage	DC
ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-30 +60 °C
during storage	-40 +85 °C
relative humidity / at 25 °C / during operation / maximum	95 %
protection class IP	IP30
design, dimensions and weights	
design	compact
depth	137 mm
height	157 mm
width	35 mm
net weight	680 g
fastening method	
<ul> <li>35 mm top hat DIN rail mounting</li> </ul>	Yes
S7-300 rail mounting	Yes
S7-1500 rail mounting	Yes
wall mounting	Yes
product features, product functions, product components / gene	eral era
product function	
DynDNS client	Yes
• no-ip.com client	Yes
product functions / management, configuration, engineering	
product function	V
• CLI	Yes
web-based management     MID support	Yes
MIB support     TDAPs via arreit	Yes
TRAPs via email  protocol / is supported	Yes
Telnet	Yes
HTTP	Yes
• HTTPS	Yes
type of configuration	Web-based management
product functions / diagnostics	
protocol / is supported	
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v2c	Yes
• SNMP v3	Yes
product function	
statistics Packet Size	No
statistics packet type	No
error statistics	No
<ul><li>SysLog</li></ul>	Yes
packet filter log	Yes
product functions / DHCP	
product function	
DHCP client	Yes
<ul> <li>DHCP server - internal network</li> </ul>	Yes

product functions / routing	
router function	
NAT (IP masquerading)	Yes
• port forwarding	Yes
NAT traversal	Yes
• 1:1 NAT	Yes
DNS cache	Yes
product functions / security	165
suitability for operation / Virtual Private Network	Yes
firewall version	Statefull Inspection
product function	State tall hispection
password protection	Yes
packet filter	Yes
broadcast/multicast/unicast limiter	No
product function	NO
broadcast blocking	No
with VPN connection	IPsec, OpenVPN (as Client)
number of possible connections / with VPN connection	20
type of authentication / with Virtual Private Network / PSK	Yes
protocol / is supported	100
IPsec tunnel and transport mode	Yes
·	165
key length  • 1 / with IPsec AES / with Virtual Private Network	128 bit
2 / with IPsec AES / with Virtual Private Network      2 / with IPsec AES / with Virtual Private Network	192 bit
3 / with IPsec AES / with Virtual Private Network	256 bit
with IPsec 3DES / with Virtual Private Network	168 bit
type of Internet key exchange / with Virtual Private Network	100 bit
main mode	Yes
• quick mode	Yes
type of packet authentication / with Virtual Private Network	MD5, SHA-1, SHA-256, SHA-384, SHA-512
IETF profile / with Virtual Private Network / X.509v3 certificate	Yes
product functions / time	
product randonor and	
protocol / is supported	
protocol / is supported	Yes
• NTP	Yes Yes
• NTP • SNTP	Yes Yes
<ul> <li>NTP</li> <li>SNTP</li> <li>standards, specifications, approvals</li> </ul>	
• NTP • SNTP	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011,
NTP     SNTP  standards, specifications, approvals  standard	Yes
NTP     SNTP  standards, specifications, approvals  standard     for EMC  for emitted interference	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4
NTP SNTP  standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21 CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC
NTP SNTP  standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2
NTP SNTP  standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes
NTP SNTP  standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity  CE marking	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2
NTP SNTP  standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes
NTP SNTP  standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity  CE marking	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes
NTP SNTP  standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity  CE marking  further information / internet links	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes
NTP SNTP  standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity  CE marking  further information / internet links  internet link	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes  Yes
NTP SNTP  standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity  CE marking  further information / internet links  internet link  to web page: selection aid TIA Selection Tool	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes Yes  http://www.siemens.com/tia-selection-tool http://www.siemens.com/industrial-5g https://mall.industry.siemens.com
NTP SNTP  standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity  CE marking  further information / internet links  internet link  to web page: selection aid TIA Selection Tool  to website: Industrial communication  to website: Industry Mall  to website: Information and Download Center	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes  Yes  http://www.siemens.com/tia-selection-tool http://www.siemens.com/industrial-5g
NTP SNTP  standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity  CE marking  further information / internet links  internet link  to web page: selection aid TIA Selection Tool  to website: Industrial communication  to website: Industry Mall	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes Yes  http://www.siemens.com/tia-selection-tool http://www.siemens.com/industrial-5g https://mall.industry.siemens.com
NTP SNTP  standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity  CE marking  further information / internet links  internet link  to web page: selection aid TIA Selection Tool  to website: Industrial communication  to website: Industry Mall  to website: Information and Download Center	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes Yes Yes  http://www.siemens.com/tia-selection-tool http://www.siemens.com/industrial-5g https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter
NTP SNTP  Standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity  CE marking  further information / internet links  internet link  to web page: selection aid TIA Selection Tool  to website: Industrial communication  to website: Industry Mall  to website: Information and Download Center  to website: Selection guide for cables and connectors	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes Yes  Yes  http://www.siemens.com/tia-selection-tool http://www.siemens.com/industrial-5g https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://www.siemens.com/tia-selection-tool
NTP SNTP  Standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity  CE marking  further information / internet links  internet link  to web page: selection aid TIA Selection Tool  to website: Industrial communication  to website: Industry Mall  to website: Information and Download Center  to website: Selection guide for cables and connectors  to website: Image database	Yes  ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes Yes  http://www.siemens.com/tia-selection-tool http://www.siemens.com/industrial-5g https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://www.siemens.com/tia-selection-tool http://www.siemens.com/tia-selection-tool http://www.siemens.com/tia-selection-tool http://automation.siemens.com/bilddb
NTP SNTP  Standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity  CE marking  further information / internet links  internet link  to web page: selection aid TIA Selection Tool  to website: Industrial communication  to website: Industry Mall  to website: Information and Download Center  to website: Selection guide for cables and connectors  to website: Image database  to website: CAx-Download-Manager	ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes  Yes  http://www.siemens.com/tia-selection-tool http://www.siemens.com/industrial-5g https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://www.siemens.com/tia-selection-tool http://www.siemens.com/tia-selection-tool http://automation.siemens.com/bilddb http://www.siemens.com/cax
NTP SINTP  Standards, specifications, approvals  standard  for EMC  for emitted interference  for interference immunity  certificate of suitability  EC Declaration of Conformity  CE marking  further information / internet links  internet link  to web page: selection aid TIA Selection Tool  to website: Industrial communication  to website: Industry Mall  to website: Information and Download Center  to website: Selection guide for cables and connectors  to website: CAx-Download-Manager  to website: Industry Online Support	ETSI EN 301 489-1, ETSI EN 301 489-19, ETSI EN 301 489-52, EN 55011, NAMUR NE21  CISPR 32, ETSI EN 55032 Class A / Class B, EN IEC 61000-6-3, EN IEC 61000-6-4  CISPR 35, EN 55035, EN IEC 61000-6-1, EN IEC 61000-6-2  Yes  Yes  http://www.siemens.com/tia-selection-tool http://www.siemens.com/industrial-5g https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://www.siemens.com/tia-selection-tool http://www.siemens.com/tia-selection-tool http://automation.siemens.com/bilddb http://www.siemens.com/cax

concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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