## SIEMENS

## Data sheet

## 3SU1400-1LK10-3BA1



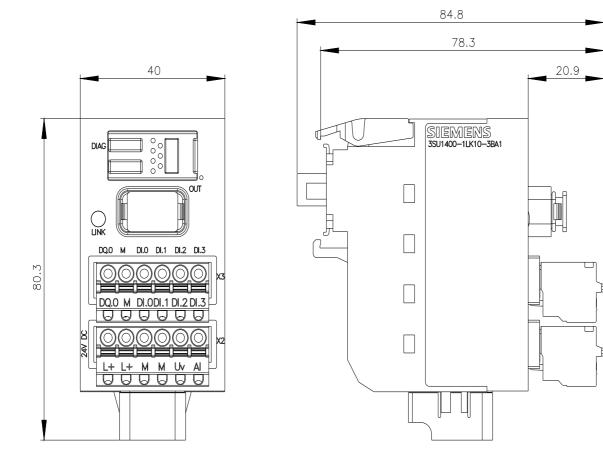
SIRIUS ACT with PROFINET: standard interface module with extended inputs and outputs 24 V DC, spring-loaded terminal, front plate mounting, 1 to 20 terminal modules connectable, with additional 1 DQ + 4 DI + 1 AI

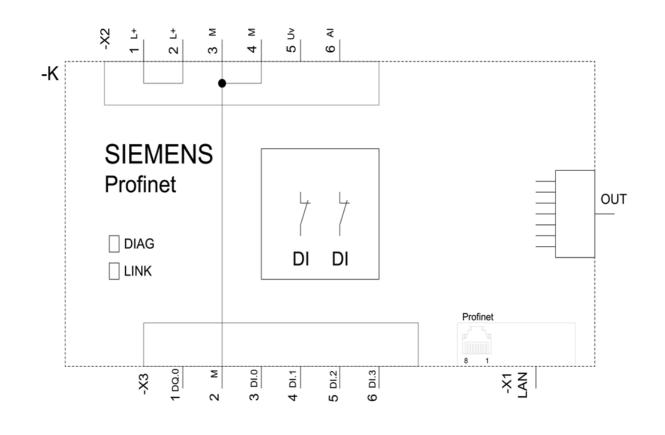
product brand name	SIRIUS ACT
product designation	Interface module for PROFINET
product type designation	3SU1
Display	
display version	
<ul> <li>for diagnostic function: Supply voltage monitoring power LED</li> </ul>	Yes
• status Tx/Rx link	Yes
General technical data	
product function	
<ul> <li>reverse polarity protection</li> </ul>	Yes
<ul> <li>diagnostics function</li> </ul>	Yes
• alarms	Yes
I&M data	Yes; I&M0 I&M3
firmware version	2.1.4
hardware version	1
configuration function with dataset	Yes
software version with STEP 7 required	TIA Portal V13 SP1
software version with STEP 7 in the TIA Portal required	TIA portal V13
number of units per rack maximum	20
number of submodules per station maximum	24
power loss [W] typical	0.6 W
insulation voltage rated value	30 V
degree of pollution	3
type of voltage	
<ul> <li>of the operating voltage</li> </ul>	DC
<ul> <li>of the input voltage</li> </ul>	DC
surge voltage resistance rated value	0.8 kV
consumed current	
• maximum	150 mA
• rated value	28 mA
protection class IP	IP20
shock resistance	
<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
vibration resistance	
<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	08/24/2018
× 1	

SVM: Substance Haine         Biomicroation of the substance Haine           22.0.6 - Ternatorm.4log-nethyline.piter.pite	SV/UC substance name	
2.2.2.8.0 <sup>-1</sup> triazoom.4.4 sisporologidemi - 78-94-7           20 4.V           20 AV voltage all OC ranke value           20 AV voltage all OC ranke value           20 AV voltage all OC ranke value           24 voltage all OC ranke value           25 voltage all OC ranke value           26 voltage all OC ranke value           26 voltage all occurs           26 voltage all occurs<	SVHC substance name	
21 value     0.006 A* s       Supply violage     24 V       Communication Protocol supported     Yes       • (PROFINET IC) protocol supported     Yes       • (PROFINET IC) protocol supported     Yes       • (Autoregatation at the Ethernet interface     Yes       • (Autoregatation of the PROFINET IO device is supported     Yes       • Autoregatation     Yes       • Autoregatation     No       product function at the StatinterGe PROFINET IO device Yes     No       Product function at the StatinterGe PROFINET IO device No     No       • autoregatation     No       • supports Shared Device     No       • autoregatation     No       • supports Shared Device     No       • supports PROFINET IO device     Yes       • supports PROFINET IO device     No       • supports PROFINET IO Revice     Yes       • Supports PROFINET IO Revice     Yes       • Supports PROFINET IO Revice     Yes       • Support ID Revice ID Revice     Yes       <		
Supply voltage         Control           supply voltage         Control           supply voltage at DC rated value         24 V           Communication Protocol         Protocol           protocol is supported         No           - RPOFIsate protocol         No           Product functions at the Ethermen Instruction         Yes           - Autocropagnation         Yes           - Autocropagnation         Yes           - Protocol ta the Stat Marked on PCPINET 10 device         Yes           - Instruction at the Statematic PCPINET 10 device         Yes           - Instruction at the Statematic PCPINET 10 device         Yes           - Instruction at the Statematic PCPINET 10 device         Yes           - Instruction at the Statematic PCPINET 10 device         No           - supports Shared Device         No           - supports PCPINET 10 device         No           - supports PCPINET 10 device         No           - supports PCPINET 10 device         No           - SMAP         Yes           - SUPP         No           - SUPP         No           - SUPP         Yes           - SDP and Device         Yes           - SDP and Device in sustructin Strucording to PCPINET requind	operating voltage rated value	20.4 V
supply voltage at DC rated value         24 V           Camaunication Protocol         Ves           Profocol is supported         Yes           +ROFINET ID protocol         No           product function at the Ethernet Interface         Yes           +Autonegotation         Yes           -Autonegotation         Yes           product function at the Statement interface         Yes           -Autonegotation         Yes           -Autonegotation         Yes           -Autonegotation         Yes           -Autonegotation         Yes           -Interface Staffor/ENETIO device is supported         No           product function at the Stafformer for device is supported         No           - interface Staffor/ENETIO device         No           - interface Stafform         No           - interification for Security Level 1 test according tore	l2t value	0.008 A <sup>2</sup> ·s
Communication Protocol         Description           protocol is supported         Yes                • ROG-First portocol         No                • Product functions at the Ethernet Interface              • Autocrossover                • Autocrossover         Yes                • product function at the Ethernet Interface PROFINET 10 device is supported         No                • Interface PROFINET 10 evolutions is supported         No                • eschronous mode         No                • upports Thand Device         No                • IntPP         No                • IntPP         No                • IntPP         Yes                • Stand Device is supported         Yes                • Stand Device is supported         No                • Entreface PROFINET is device is supported         No                • Stand Device is and is ano	Supply voltage	
protocol is supported         Yes           + ROFINET IO protocol         No           product function at the Ethninet interface         Yes           + Autoregulation         Yes           product function at the 1st interface PROFINET IO device         Yes           product function at the 1st interface PROFINET IO device is supported         Yes           product function at the 1st interface PROFINET IO device is supported         No           product function at the 1st interface PROFINET IO device is supported         No           service as PROFINET IO device         Yes           • priordize startup         No           • supports Shared Device         No           • Starte Gropon IE communication         Yes           • LDP         Yes           • Starte Gropon IE communication         Yes           • Starte Seconding to PROFIN	supply voltage at DC rated value	24 V
protocol is supported         Yes           + ROFINET IO protocol         No           product function at the Ethninet interface         Yes           + Autoregulation         Yes           product function at the 1st interface PROFINET IO device         Yes           product function at the 1st interface PROFINET IO device is supported         Yes           product function at the 1st interface PROFINET IO device is supported         No           product function at the 1st interface PROFINET IO device is supported         No           service as PROFINET IO device         Yes           • priordize startup         No           • supports Shared Device         No           • Starte Gropon IE communication         Yes           • LDP         Yes           • Starte Gropon IE communication         Yes           • Starte Seconding to PROFIN		
• PROFINET ID protocol         Yes           • PROFINET ID protocol         No           • Autocossover         Yes           • Autocossover         Yes           • Autocossover         Yes           • Protocol table 1st interface media redundancy protocol         No           protocol at the 1st interface media redundancy protocol         No           protocol table 1st interface media redundancy protocol         No           escreta as PROFINET 10 device         No           • protocol table 1st interface         No           • supports Shared Device         No	protocol is supported	
PROFIsate protect         No           product function at the Ethernet interface         Yes           - Autoregolation         Yes           - Autoregolation         No           product function at the filt interface PROFINET ID device         Yes           product function of the PROFINET ID device is supported         Yes           Product function of the PROFINET ID device is supported         No           Product function of the PROFINET ID device         No           • autoregolation         No           • autoregolation of the PROFINET ID device         No           • autoregolation         Yes           • autoregolation         Yes           • autoregolation         Yes           • autoregolation         Yes		Yes
product function at the Ethernet interface     Yes       • Autocrossover     Yes       • Autocrossover     Yes       • Autocrossover     Yes       • Autocrossover     Yes       protect of the stinterface media redundancy protocol     No       product function of the PROFINET to device is supported     No       PROFINET System redundancy     No       • supports Shared Device     No       • Correl P     Yes       • Supports Order PROFINET required     Yes       • Support Shared Device     PROFINET		No
• Autocassover         Yes           • Autocassover         Yes           • Autocassover         Yes           product function at the fish interface PROFINET IO (ev/ce)         Yes           product function of the PROFINET IO (ev/ce)         Yes           product function of the PROFINET IO (ev/ce)         No           product function of the PROFINET IO (ev/ce)         No           • sauports Shared Dev/ce         No           • sauports Shared Dev/ce         No           • sauports Shared Dev/ce         No           • sauports PROFIEIT IO (ev/ce)         Yes           • sauports Shared Dev/ce         No           • sauports PROFIEITO (ev/ce)         Yes           • Sarvice for open IE communication         Yes           • LDP         Yes           • Sorvice for open IE communication         Yes           • Sarvice for open IE communication         Yes           • Sarvice for open IE communication         Yes           • Sorvice Control for OperINET         Yes           • Sorvice Control for OperINET         Yes           • Sarvice for open IE communication         PROFINET with 100 Mbps full duplex (100BASE-TX)           • network load clas saccording to PROFINET         Yes           • Sarvice for open IE communication		
- Autonegoliation         Yes           protocol at the 1st Interface PROFINET IO device is supported         No           Product function of the PROFINET IO device is supported         No           Protocol at the stat interface PROFINET IO device is supported         No           service as PROFINET IO device is supported         No           service as PROFINET IO device         No           - protocate startup         No           - isochronous mode         No           - supports Share Device         No           - supports PROFINET IO device         No           - supports PROFINET         No           - supports PROFINET         No           - supports PROFINET         No           - supports PROFINET         Yes           - Sorvice for open IE communication         -           - LLDP         Yes           - SNMP         Yes           - TOPIP         Yes           - Sorvice for open IE communication         Yes           - TOPIP         Yes           - Sorvice for open IE communication         Yes           - TOPIP         Yes           - Sorvice for open IE communication         Yes           - Introduct or doubt for industrial Ethrenot         PROFINET	•	Yes
product) at the 1st interface media redundancy protocol         No           product function at the 1st interface PROFINET 10 device         Yes           product function of the PROFINET 10 device is supported         No           product function of the PROFINET 10 device         No           estrice as PROFINET 10 device         No           estrice for other PROFINET         No           estrice for other PROFINET         No           estrice for open IE communication         Yes           estrice for industrial Ethernet         PROFINET traduct           product Loadit Control         Transh current maximum           Intrush current maximum         16 A           Calvanic loadis inputs         1		
product function at the 1st interface PROFINET IO device         Yes           product function of the PROFINET IO device is supported         No           PROFINET System redundancy         No           service as PROFINET IO device         No           • prindication of the PROFINET POLY         No           • supports PROFILET IO device         No           • supports PROFILET POLY         No           • supports PROFILET POLY         No           • INPP         No           • MRPD         No           • Supports PROFILET Communication         •           • LLDP         Yes           • Some for functional Element         PROFINET Yes           • TOPIP         Yes           • TOPIP         Yes           restrict for open IE communication         Yes           • TOPIP         Yes           GSD variation/revision with PROFINET required         V2.34           Transmission mode for Industrial Element         PROFINET with 100 Mbps full duplex (100BASE-TX)           retwork load class according to PROFINET         1           specification between PROFINET and all other circuits         Yes           Product function maximum         16 A           Galvanic lisolation         0           runmber of dig		
product function of the PROFINET to device is supported PROFINET system redundancy         No           service as PROFINET to device         No           • prontized startup         No           • isochronous mode         No           • supports Shared Device         No           • supports Shared Device         No           • supports PROFInergy         No           • IRIT         No           • MRPD         No           • MRPD         No           • LLDP         Yes           • Solversion/revision with PROFINET required         Yes           • SDV resion/revision with PROFINET required         Yes           • GSD version/revision with PROFINET required         Yes           • GDV resion/revision with PROFINET required         Yes           • Gottrot circuit/ Control         1           Insub current maximum         16 A           Galvanic isolation         galvanic isolation between POFINET and all other circuits           galvanic isolation         9           galvanic isolation between POFINET and all other circuits         Yes           Inpute of allog inputs         1           number of alligital unputs         0           • safety-related         0           Ornections! Terminals	· · ·	
PROFINET optime as provide as PROFINET 10 device         No           • prioritized startup         No           • isochronous mode         No           • supports PROFIner 10 device         No           • MRPD         No           • MRPD         No           service for open IE communication         -           • LLDP         Yes           • SMMP         Yes           • TOP/IP         Yes           GSD version/revision with PROFINET required         V2.34           transmission mode for Industrial Ethernet         PROFINET with 100 Mbps full duplex (100BASE-TX)           network load Less according to PROFINET         1           specification for Socurity Level 1 test according to PROFINET         1           galvanic isolation         Resilient to network loading           tiputs/ Outputs         4           ostely-related         0           number of aligital inputs         4           • safely-related         0           origital and thore end processing         25 mm <sup>2</sup> <td></td> <td></td>		
Prioritized startup     Prioritized startup     Sonce     Supports PROFInergy     No     Supports PROFInergy     No     Supports PROFInergy     No     Supports PROFINERT     No     Supports PROFINERT     Supports     Supports     Supports     Support     Support		
• isochronous mode     No       • supports Shared Device     No       • supports PROFlenergy     No       • IRT     No       • IRT     No       • IRT     No       • MRP     No       • MRPD     No       • SMMP     Yes       • ILDP     Yes       • SMMP     Yes       • TCP/IP     Yes       • GSD version/revision with PROFINET required     V2.34       faramission mode for Industrial Ethernet     PROFINET with 100 Mbps full duplex (100BASE-TX)       featowrk load class according to PROFINET     1       spacification for Security Lavel 1 test according to PROFINET     Resilien to network loading       Control circuit/ Control     Innush current maximum     16 A       Calvanic isolation     Yes       galvanic isolation between PROFINET and all other circuits     Yes       Inputs/ Outputs     4       • aslety-related     0       • number of digital inputs     4       • salety-related     0       • connectable conductor cross-section     5       • solid or standed     0.2	service as PROFINET IO device	
• isochronous mode     No       • supports Shared Device     No       • supports PROFlenergy     No       • IRT     No       • IRT     No       • IRT     No       • MRP     No       • MRPD     No       • SMMP     Yes       • ILDP     Yes       • SMMP     Yes       • TCP/IP     Yes       • GSD version/revision with PROFINET required     V2.34       faramission mode for Industrial Ethernet     PROFINET with 100 Mbps full duplex (100BASE-TX)       featowrk load class according to PROFINET     1       spacification for Security Lavel 1 test according to PROFINET     Resilien to network loading       Control circuit/ Control     Innush current maximum     16 A       Calvanic isolation     Yes       galvanic isolation between PROFINET and all other circuits     Yes       Inputs/ Outputs     4       • aslety-related     0       • number of digital inputs     4       • salety-related     0       • connectable conductor cross-section     5       • solid or standed     0.2	<ul> <li>prioritized startup</li> </ul>	No
• supports Shared Device         No           • supports PROFlenergy         No           • IRT         No           • IRT         No           • MRP         No           • MRPD         No           • Service for open IE communication         •           • LLDP         Yes           • SNMP         Yes           • TCP/IP         Yes           • GSD version/revision with PROFINET required         V2.34           transmission mode for Industrial Ethemet         PROFINET with 100 Mbps full duplex (100BASE-TX)           network load class according to PROFINET         1           specification for Security Level 1 test according to PROFINET         1           specification for Security Level 1 test according to PROFINET         1           specification for Security Level 1 test according to PROFINET         1           specification for Security Level 1 test according to PROFINET         1           apavanci isolation between PROFINET and all other circuits         Yes           Inputs 0 duputs         0         0           number of analog inputs         1         1           number of analog inputs         0         0           connectable conductor cross-section         0         2 2.5 mm <sup>3</sup>		No
• supports PROFlenergy         No           • IRT         No           • MRP         No           • MRPD         No           • MRPD         No           • Service for open IE communication         -           • LLDP         Yes           • SIMMP         Yes           • SIMMP         Yes           • STOP/IP         Yes           • STOP/IP         Yes           • SD version/revision with PROFINET required         V2.34           transmission mode for Industrial Ethement         PROFINET with 100 Mbps full duplex (100BASE-TX)           network load class according to PROFINET         1           specification for Socurity Level 1 test according to PROFINET         1           FROFINET         1           Inrush current maximum         16 A           Galvanic isolation between PROFINET and all other circuits         Yes           Inputs/ Outputs         4           • safe/yrelated         0           number of digital inputs         4           • safe/yrelated         0           Connectable Conductor cross-section         0           • solid or is fanded         0           • solid with core end processing         0           • soli		
• IRT     No       • MRP     No       • MRPD     No       service for open IE communication     .       • LDP     Yes       • SIMP     Yes       • SIMP     Yes       • TCP/IP     Yes       • TCP/IP     Yes       ottoms mode for Industrial Ethernet     PROFINET       network load class according to PROFINET     1       specification for Security Level 1 test according to PROFINET     1       Inrush current maximum     16 A       Galvanic isolation     Galvanic isolation       galvanic isolation between PROFINET and all other circuits     Yes       Inrush current maximum     16 A       Galvanic isolation     1       mumber of digital inputs     4       • safety-related     0       number of digital outputs     0       Connections/Terminals     2		
• MRP     No       service for open IE communication		
• MRPD         No           service for open IE communication		
service for open IE communication     Yes       • LLDP     Yes       • SIMP     Yes       • TCP/IP     Yes       GSD vorsion/revision with PROFINET required     V2.34       transmission mode for Industrial Ethernet     PROFINET with 100 Mbps full duplex (100BASE-TX)       network load class according to PROFINET     1       specification for Security Level 1 test according to PROFINET     Resilient to network loading       Control circuit/ Control     Insush current maximum       Insush current maximum     16 A       Galvanic Isolation     galvanic isolation between PROFINET and all other circuits       Inputs/ Outputs     4       number of digital inputs     4       • safety-related     0       number of digital outputs     0       Connections/ Terminals     Ype of electrical connection       spring-loaded terminals     0.22.5 mm²       connectable conductor cross-section for auxillary contacts     0.22.5 mm²       • solid or stranded     0.22.5 mm²       • solid with core end processing     0.22.5 mm²       • solid with core e		
• LLDP     Yes       • SINNP     Yes       • TCP/IP     Yes       GSD version/revision with PROFINET required     V2.34       transmission mode for Industrial Ethernet     PROFINET with 100 Mbps full duplex (100BASE-TX)       network load class according to PROFINET     1       specification for Security Level 1 test according to PROFINET     1       Control circuit/ Control     resilient to network loading       inruse current maximum     16 A       Galvanic isolation between PROFINET and all other circuits     Yes       unuber of digital inputs     4       • safety-related     0       number of analog inputs     1       number of digital outputs     0       Connectable conductor cross-section for auxiliary contacts     • solid or stranded       • solid or stranded     0.2 2.5 mm²       • solid with core end processing     0.2 2.5 mm²       • solid with core end processing     0.2 2.5 mm²       • solid over end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2		
• SNMP     Yes       • TCP/IP     Yes       GSD version/revision with PROFINET required     V2.34       transmission mode for industrial Ethernet     PROFINET with 100 Mbps full duplex (100BASE-TX)       network load class according to PROFINET     1       specification for Socurity Level 1 test according to PROFINET     Resilient to network loading       control circuit/ Control     Innush current maximum       Galvanic isolation     Innush current maximum       galvanic isolation between PROFINET and all other circuits     Yes       inputs/Outputs     Innumber of digital inputs     4       • safety-related     0       number of analog inputs     1       number of digital loputs     0       connectable conductor cross-section for auxiliary contacts     o2 2.5 mm <sup>3</sup> • solid or stranded     0.2 2.5 mm <sup>3</sup> • solid with core end processing     0.2 2.5 mm <sup>3</sup> • solid with core end processing     0.2 2.5 mm <sup>3</sup> • inely stranded with core end processing     0.2 2.5 mm <sup>3</sup> • inely stranded with core end processing     0.2 2.5 mm <sup>3</sup> • inely stranded with core end processing     0.2 2.5 mm <sup>3</sup> • inely stranded with core end processing     0.2 2.5 mm <sup>3</sup> • inely stranded with core end processing     0.2 2.5 mm <sup>3</sup> • inely stranded with core end	-	Vec
• TCP/IP         Yes           GSD version/revision with PROFINET required         V2.34           transmission mode for Industrial Ethernet         PROFINET with 100 Mbps full duplex (100BASE-TX)           network load class according to PROFINET         1           specification for Security Level 1 test according to PROFINET         Resilient to network loading           Control circuit/ Control         Resilient to network loading           inrush current maximum         16 A           Galvanic isolation         Yes           galvanic isolation profile         1           number of digital inputs         4           • safety-related         0           number of digital outputs         0           Connections/ Terminals         1           type of electrical connection         spring-loaded terminals           connectable conductor cross-section for auxiliary contacts         0.2 2.5 mm²           • solid or stranded         0.2 2.5 mm²           • solid with core end processing         0.2 2.5 mm²           • solid with core end processing         0.2 2.5 mm²           • finely stranded without core end processing         0.2 2.5 mm²           • finely stranded with core end processing         0.2 2.5 mm²           • finely stranded without core end processing         0.		
GSD version/revision with PROFINET required     V2.34       transmission mode for Industrial Ethernet     PROFINET with 100 Mbps full duplex (100BASE-TX)       network load class according to PROFINET     1       specification for Security Level 1 test according to PROFINET     Resilient to network loading       Control circuit/ Control     inrush current maximum       inrush current maximum     16 A       Galvanic isolation between PROFINET and all other circuits     Yes       inputs/ Outputs     1       number of digital inputs     4       • safety-related     0       number of digital outputs     0       Connections/ Terminals     0       type of electrical connection     spring-loaded terminals       connectable conductor cross-section for auxiliary contacts     0.2 2.5 mm <sup>2</sup> • solid or stranded     0.2 2.5 mm <sup>2</sup> • solid with core end processing     0.2 2.5 mm <sup>2</sup> • solid with core end processing     0.2 2.5 mm <sup>2</sup> • finely stranded with core end processing     0.2 2.5 mm <sup>2</sup> • finely stranded with core end processing     0.2 2.5 mm <sup>2</sup> • finely stranded with core end processing     0.2 2.5 mm <sup>2</sup> • finely stranded with core end processing     0.2 2.5 mm <sup>2</sup> • finely stranded with core end processing     0.2 2.5 mm <sup>2</sup> • finely stranded wit		
transmission mode for industrial Ethernet     PROFINET       network load class according to PROFINET     1       specification for Security Level 1 test according to PROFINET     Resilient to network loading       Control circuit/ Control     Inrush current maximum       Inrush current maximum     16 A       Calvanic isolation     galvanic isolation       galvanic isolation     4       • safety-related     0       number of digital inputs     1       number of analog inputs     1       number of analog inputs     0       connectable conductor cross-section for auxiliary contacts     • solid or stranded       • solid or stranded     0.2 2.5 mm²       • solid with core end processing     0.2 2.5 mm²       • solid with core end processing     0.2 2.5 mm²       • solid with core end processing     0.2 2.5 mm²       • solid with core end processing     0.2 2.5 mm²       • solid with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stra		
network load class according to PROFINET       1         specification for Security Level 1 test according to PROFINET       Resilient to network loading         Control circuit/ Control       Resilient to network loading         inrush current maximum       16 A         Gatvanic isolation       galvanic isolation between PROFINET and all other circuits       Yes         Inputs/ Outputs       number of digital inputs       4         • safety-related       0       0         number of digital outputs       0       0         Connections/ Terminals       5       0         type of electrical connection       spring-loaded terminals       0         connectable conductor cross-section for auxiliary contacts       0.2 2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup> of inely stranded with core end processing       0.2 2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup> connectable conductor cross-section       0.2 2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup> of inely stranded with core end processing       0.2 2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup> of inely stranded with core end processing       0.2 2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup> of inely stranded with core end processing       0.2 2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup> Safety related data       service life maximum       20 a       1.1         Safety related dat	•	
specification for Security Level 1 test according to PROFINET         Resilient to network loading           Control circuit/ Control         inrush current maximum         16 A           Galvanic isolation         galvanic isolation between PROFINET and all other circuits         Yes           Inputs/ Outputs         4         •           number of digital inputs         4         •           • safety-related         0         0           Connections/ Terminals         5         0           Connectable conductor cross-section for auxillary contacts         •         solid or stranded           • solid or stranded         0.2 2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup> connectable conductor cross-section         0         2 2.5 mm <sup>2</sup> solid with core end processing         0.2 2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup> connectable conductor cross-section         0.2 2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup> solid with core end processing         0.2 2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup> Solid with core end processing         0.2 2.5 mm <sup>2</sup> 3.1 m <sup>2</sup> Safety related data         3 2.5 mm <sup>2</sup> 3 2.5 mm <sup>2</sup> Safety related data         3 2.5 mm <sup>2</sup> 3 2.5 mm <sup>2</sup> Safety related data         3 2.5 mm <sup>2</sup> 3 2.		
PROFINET       Control         Control circuit/ Control       inrush current maximum         Gatvanic isolation between PROFINET and all other circuits       Yes         Inputs/ Outputs       Yes         number of digital inputs       4         • safety-related       0         number of digital outputs       0         connections/ Terminals       0         type of electrical connection       spring-loaded terminals         connectable conductor cross-section for auxiliary contacts       0.2 2.5 mm²         of solid with core end processing       0.2 2.5 mm²         connectable conductor cross-section       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         connectable conductor cross-section       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         Solid with core end processing       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         • Solid with core end processing       0.2 2.5 mm²         • Solid with core end processing       0.2 2.5 mm²         • Solid number as coded connectable conductor cross       2612         Safety related data       service life maximum		
inrush current maximum     16 A       Galvanic isolation     galvanic isolation between PROFINET and all other circuits     Yes       Inputs/ Outputs     Inputs/ Outputs     Inputs/ Outputs       number of digital inputs     4     0       number of analog inputs     1     Inputs/ Outputs       number of digital outputs     0     Oconnections/ Terminals       type of electrical connection     spring-loaded terminals       connectable conductor cross-section for auxiliary contacts     0.2 2.5 mm <sup>2</sup> o solid or stranded     0.2 2.5 mm <sup>2</sup> connectable conductor cross-section     0.2 2.5 mm <sup>2</sup> e finely stranded with core end processing     0.2 2.5 mm <sup>2</sup> of inely stranded with core end processing     0.2 2.5 mm <sup>2</sup> e finely stranded with core end processing     0.2 2.5 mm <sup>2</sup> e finely stranded with core end processing     0.2 2.5 mm <sup>2</sup> e finely stranded with core end processing     0.2 2.5 mm <sup>2</sup> e finely stranded with core end processing     0.2 2.5 mm <sup>2</sup> e finely stranded with core end processing     0.2 2.5 mm <sup>2</sup> Safety related data     service life maximum       Safety related data     Safety related data       service life maximum     20 a		Resilient to network loading
Galvanic isolation         galvanic isolation between PROFINET and all other circuits       Yes         Inputs/ Outputs       4         • safety-related       0         number of digital inputs       1         number of analog inputs       0         number of analog inputs       0         connections/ Terminals       0         type of electrical connection       spring-loaded terminals         connectable conductor cross-section for auxiliary contacts       0.2 2.5 mm²         • solid or stranded       0.2 2.5 mm²         connectable conductor cross-section       0         • finely stranded with core end processing       0.2 2.5 mm²         o solid with core end processing       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         Safety related data       20 a <td>Control circuit/ Control</td> <td></td>	Control circuit/ Control	
galvanic isolation between PROFINET and all other circuits     Yes       Inputs/ Outputs     4       • safety-related     0       number of digital inputs     1       • safety-related     0       number of digital outputs     0       Connections/ Terminals     0       type of electrical connection     spring-loaded terminals       connectable conductor cross-section for auxiliary contacts     0       • solid or stranded     0.2 2.5 mm²       • solid or stranded with core end processing     2.5 mm²       connectable conductor cross-section     0       • solid with core end processing     0.2 2.5 mm²       • solid with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stranded with core end processing     0.2 2.5 mm²       • finely stranded without core end processing     0.2 2.5 mm²       • finely stranded without core end processing     0.2 2.5 mm²       • finely stranded without core end processing     0.2 2.5 mm²       • finely stranded without core end processing     0.2 2.5 mm²       • Safety related data     service life maximum       service life maximum	inrush current maximum	16 A
Inputs/ Outputs         number of digital inputs       4         • safety-related       0         number of analog inputs       1         number of digital outputs       0         Connections/ Terminals       0         type of electrical connection       spring-loaded terminals         connectable conductor cross-section for auxiliary contacts       • solid or stranded         • solid or stranded       0.2 2.5 mm²         • solid or stranded with core end processing       2.5 mm²         connectable conductor cross-section       0         • solid with core end processing       0.2 2.5 mm²         offiely stranded with core end processing       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         Safety related data       20 a         service life maximum       20 a         Interfaces       design of the interface	Galvanic isolation	
number of digital inputs       4         • safety-related       0         number of analog inputs       1         number of digital outputs       0         Connections/ Terminals       0         type of electrical connection       spring-loaded terminals         connectable conductor cross-section for auxiliary contacts       0.2 2.5 mm²         • solid or stranded       0.2 2.5 mm²         connectable conductor cross-section       0         • finely stranded with core end processing       0.2 2.5 mm²         connectable conductor cross-section       0         • solid       0.2 2.5 mm²         connectable conductor cross-section       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         Safety related data       26 12         Safety related data       20 a         Interfaces       design of the interface	galvanic isolation between PROFINET and all other circuits	Yes
number of digital inputs       4         • safety-related       0         number of analog inputs       1         number of digital outputs       0         Connections/ Terminals       0         type of electrical connection       spring-loaded terminals         connectable conductor cross-section for auxiliary contacts       0.2 2.5 mm²         • solid or stranded       0.2 2.5 mm²         connectable conductor cross-section       0         • finely stranded with core end processing       0.2 2.5 mm²         connectable conductor cross-section       0         • solid       0.2 2.5 mm²         connectable conductor cross-section       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         Safety related data       26 12         Safety related data       20 a         Interfaces       design of the interface		
• safety-related       0         number of analog inputs       1         number of digital outputs       0         Connections/ Terminals       0         type of electrical connection       spring-loaded terminals         connectable conductor cross-section for auxiliary contacts       0         • solid or stranded       0.2 2.5 mm²         connectable conductor cross-section       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         ofinely stranded with core end processing       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         ofinely stranded with core end processing       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         Safety related data       20 a         service life maximum       20 a         Interfaces       design of the interface		4
number of analog inputs       1         number of digital outputs       0         Connections/ Terminals       0         type of electrical connection       spring-loaded terminals         connectable conductor cross-section for auxiliary contacts       0.2 2.5 mm²         e finely stranded with core end processing       0.2 2.5 mm²         connectable conductor cross-section       0.2 2.5 mm²         e solid       0.2 2.5 mm²         connectable conductor cross-section       0.2 2.5 mm²         e solid with core end processing       0.2 2.5 mm²         e finely stranded with core end processing       0.2 2.5 mm²         e finely stranded with core end processing       0.2 2.5 mm²         e finely stranded with core end processing       0.2 2.5 mm²         e finely stranded with core end processing       0.2 2.5 mm²         Safety related data       26 12         Safety related data       20 a         Interfaces       design of the interface		
number of digital outputs     0       Connections/ Terminals     spring-loaded terminals       type of electrical connection     spring-loaded terminals       connectable conductor cross-section for auxiliary contacts     0       • solid or stranded     0.2 2.5 mm²       connectable conductor cross-section     2.5 mm²       offinely stranded with core end processing     0.2 2.5 mm²       connectable conductor cross-section     0.2 2.5 mm²       e solid     0.2 2.5 mm²       solid with core end processing     0.2 2.5 mm²       e finely stranded with core end processing     0.2 2.5 mm²       solid with core end processing     0.2 2.5 mm²       e finely stranded with core end processing     0.2 2.5 mm²       Subject or end processing     0.2 2.5 mm²       e finely stranded with core end processing     0.2 2.5 mm²       Safety related data     26 12       Safety related data     20 a       Interfaces     design of the interface		
Connections/Terminals         type of electrical connection       spring-loaded terminals         connectable conductor cross-section for auxiliary contacts       0.2 2.5 mm²         • solid or stranded       0.2 2.5 mm²         connectable conductor cross-section       2.5 mm²         e finely stranded with core end processing       0.2 2.5 mm²         connectable conductor cross-section       0.2 2.5 mm²         • solid       0.2 2.5 mm²         e solid with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         Safety related data       20 a         service life maximum       20 a         Interfaces       design of the interface		
type of electrical connection       spring-loaded terminals         connectable conductor cross-section for auxiliary contacts       0.2 2.5 mm²         • solid or stranded       0.2 2.5 mm²         connectable conductor cross-section       2.5 mm²         • solid       0.2 2.5 mm²         connectable conductor cross-section       0.2 2.5 mm²         • solid       0.2 2.5 mm²         o solid with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         • finely stranded connectable conductor cross section       26 12         Safety related data       20 a         Interfaces       20 a	· ·	
connectable conductor cross-section for auxiliary contacts       0.2 2.5 mm²         • solid or stranded with core end processing       2.5 mm²         connectable conductor cross-section       0.2 2.5 mm²         • solid       0.2 2.5 mm²         ofinely stranded with core end processing       0.2 2.5 mm²         • solid with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded with core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         • finely stranded without core end processing       0.2 2.5 mm²         • finely stranded data       26 12         Safety related data       20 a         Interfaces       20 a		spring-loaded terminals
• solid or stranded0.2 2.5 mm²• finely stranded with core end processing2.5 mm²connectable conductor cross-section0.2 2.5 mm²• solid0.2 2.5 mm²• solid with core end processing0.2 2.5 mm²• finely stranded without core end processing0.2 2.5 mm²• finely stranded without core end processing0.2 2.5 mm²• Solid0.2 2.5 mm²• finely stranded without core end processing0.2 2.5 mm²• Solid stranded without core end processing0.2 2.5 mm²• Safety related data26 12Safety related data20 aInterfaces20 a		spring-roaded terminals
• finely stranded with core end processing2.5 mm²connectable conductor cross-section• solid0.2 2.5 mm²• solid with core end processing0.2 2.5 mm²• finely stranded with core end processing0.25 2.5 mm²• finely stranded without core end processing0.2 2.5 mm²• finely stranded connectable conductor cross section26 12• service life maximum20 a• finterfacesunderstand• design of the interfaceunderstand	-	$0.2 - 2.5 \text{ mm}^2$
connectable conductor cross-section0.2 2.5 mm²• solid0.2 2.5 mm²• solid with core end processing0.2 2.5 mm²• finely stranded with core end processing0.2 2.5 mm²• finely stranded without core end processing0.2 2.5 mm²• finely stranded data26 12Safety related data20 aInterfaces1design of the interface1		
• solid0.2 2.5 mm²• solid with core end processing0.2 2.5 mm²• finely stranded with core end processing0.2 2.5 mm²• finely stranded without core end processing0.2 2.5 mm²• finely stranded without core end processing0.2 2.5 mm²• Safety related data26 12service life maximum20 aInterfacesInterface		*IIIII 6.2
• solid with core end processing0.2 2.5 mm²• finely stranded with core end processing0.2 2.5 mm²• finely stranded without core end processing0.2 2.5 mm²• AWG number as coded connectable conductor cross section26 12Safety related data26 12service life maximum20 aInterfaces1design of the interface1		0.0 0.5 mm²
• finely stranded with core end processing     0.25 2.5 mm²       • finely stranded without core end processing     0.2 2.5 mm²       AWG number as coded connectable conductor cross section     26 12       Safety related data     20 a       service life maximum     20 a       Interfaces     4		
• finely stranded without core end processing     0.2 2.5 mm²       AWG number as coded connectable conductor cross section     26 12       Safety related data     20 a       service life maximum     20 a       Interfaces     4		
AWG number as coded connectable conductor cross section     26 12       Safety related data     20 a       service life maximum     20 a       Interfaces     design of the interface		
section       Safety related data       service life maximum     20 a       Interfaces       design of the interface		
Safety related data       service life maximum     20 a       Interfaces       design of the interface		26 12
service life maximum     20 a       Interfaces       design of the interface		
Interfaces design of the interface		20.0
design of the interface		20 a
-		
Ethernet Interface Yes; for Ethernet services	-	
	Ethernet interface	Yes; for Ethernet services

Fast Ethernet interface	Yes; PROFINET with 100 Mbps	
interface design 1		
integrated switch	No	
RJ45 (Ethernet)	Yes	
number of ports at the 1st interface	1	
number of interfaces according to PROFINET	1	
Ambient conditions		
ambient temperature	25 160 %0	
during operation	-25 +60 °C	
during storage environmental category during operation according to IEC	-40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity o	f 10 95%, no condensation in
explosion protection marking for intrinsic safety of related	operation permitted) No	
equipment EEx ia explosion protection marking for intrinsic safety of related	No	
equipment EEx ib		
Environmental footprint		
Environmental Product Declaration(EPD)	Yes	
Global Warming Potential [CO2 eq] total	0.787 kg	
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg	
Global Warming Potential [CO2 eq] during operation	0.235 kg	
global warming potential [CO2 eq] after end of life	-0.015 kg	
nstallation/ mounting/ dimensions		
fastening method of modules and accessories	Front plate mounting	
height	80.1 mm	
width	40 mm	
depth	72.1 mm	
depth Approvals Certificates	72.1 mm	
-	72.1 mm Declaration of Conformity	Test Certificates
Approvals Certificates		
Approvals Certificates General Product Approval	Declaration of Conformity	
Approvals Certificates         General Product Approval         Confirmation         Confirmation         Test Certificates         other         Type Test Certific-         Confirmation	Declaration of Conformity	
Approvals Certificates         General Product Approval         Confirmation         Unit Confirmation         Test Certificates         other	Declaration of Conformity	
Approvals Certificates         General Product Approval         Confirmation         Confirmation         Test Certificates         other         Type Test Certific-         Confirmation	Declaration of Conformity	
Approvals Certificates         General Product Approval         Confirmation       Image: Confirmation         Test Certificates       other         Type Test Certificates       Confirmation       PROFINET- tion	Declaration of Conformity UEEG-Konf. Environment Certifica- Certif	
Approvals Certificates         General Product Approval         Confirmation       Effective         Test Certificates       other         Type Test Certificates       other         Type Test Certificates       Confirmation       PROFINET-tion         Siemens has decided to exit the Russian market (see here).       https://press.siemens.com/global/en/pressrelease/siemens-wind	Declaration of Conformity	
Approvals Certificates         General Product Approval         Confirmation       Image: Confirmation         Test Certificates       other         Type Test Certificates       confirmation         Type Test Certificates       Confirmation         Signed Stress       Confirmation         Further information       Signed Stress         Signed Stress       Confirmation         Signed Stress       Confirmation         Signed Stress       Confirmation         Signed Stress       Signed Stress         Signed Stress       Confirmation         Signed Stress       Signed Stress         Signed Stress       Signed Stress       Signed Stress         Signed Stress       Signed Stress       Signed Stress         Signed Stress       Signed Stress       Signed Stress       Signed Stress         Signed Stress       Signed Stress       Signed Stress       Signed Stress         Signed Stress       Signed Stress       Signed Stress       Signed Stress         Signed Stress       Signed Stress       Signed Stress       Signed Stress         Signed Stress       Signed Stress       Signed Stress       Signed Stress         Signed Stress       Signed Stress       SigneStress<	Declaration of Conformity	Special Test Certific- ate
Approvals Certificates         General Product Approval         Confirmation       Image: Confirmation         Test Certificates       other         Type Test Certificates       confirmation         Type Test Certificates       Confirmation         Stemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind Siemens is working on the renewal of the current EAC certificates	Declaration of Conformity	Special Test Certific- ate
Approvals Certificates         General Product Approval         Confirmation       Image: Confirmation         Test Certificates       other         Type Test Certificates       confirmation         Type Test Certificates       Confirmation         Signed Stress       Confirmation         Signed Stres       Confirmation <td>Declaration of Conformity         L       L       L         Environment       Environmental Con- firmations       Environmental Con- firmations         .       .       .         <td< td=""><td>Special Test Certific- ate</td></td<></td>	Declaration of Conformity         L       L       L         Environment       Environmental Con- firmations       Environmental Con- firmations         .       .       . <td< td=""><td>Special Test Certific- ate</td></td<>	Special Test Certific- ate
Approvals Certificates         General Product Approval         Confirmation       Image: Confirmation       Image: Confirmation         Test Certificates       other       Image: Confirmation       PROFINET-tion         Type Test Certific- ates/Test Report       Confirmation       PROFINET-tion         Stemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind Siemens is working on the renewal of the current EAC certi Please contact your local Siemens office on the status of validit EAC relevant market (other than the sanctioned EAEU member Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,)	Declaration of Conformity         L       L       L         Environment       Environmental Con- firmations       Environmental Con- firmations         .       .       . <td< td=""><td>Special Test Certific- ate</td></td<>	Special Test Certific- ate
Approvals Certificates         General Product Approval         Confirmation       Image: Confirmation       Image: Confirmation         Test Certificates       other         Type Test Certific- ates/Test Report       Confirmation       PROFINET- tion         Curther information       Confirmation       PROFINET- tion         Stemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind Siemens is working on the renewal of the current EAC certific- Please contact your local Siemens office on the status of validity EAC relevant market (other than the sanctioned EAEU member Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10	Declaration of Conformity         L       L       L         Environment       Environmental Con- firmations       Environmental Con- firmations         .       .       . <td< td=""><td>Special Test Certific- ate</td></td<>	Special Test Certific- ate
Approvals Certificates         General Product Approval         Confirmation       Image: Confirmation       Image: Confirmation         Test Certificates       other       Image: Confirmation       PROFINET-tion         Type Test Certific- ates/Test Report       Confirmation       PROFINET-tion         Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind Siemens is working on the renewal of the current EAC certi Please contact your local Siemens office on the status of validity EAC relevant market (other than the sanctioned EAEU member Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,)	Declaration of Conformity         Image: Conference of Co	Special Test Certific- ate
Approvals Certificates         General Product Approval         Confirmation       Effective         Confirmation       Effective         Test Certificates       other         Type Test Certificates       Confirmation       PROFINET- tion         Type Test Certificates       Confirmation       PROFINET- tion         Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind         Siemens is working on the renewal of the current EAC certificease contact your local Siemens office on the status of validity EAC relevant market (other than the sanctioned EAEU member Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875         Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10         Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?n Cax online generator	Declaration of Conformity LECENCE EG-Konf. LECENT Certifica- Certifica- 1 Environmental Con- 1 firmations	Special Test Certific- ate
Approvals Certificates         General Product Approval         Confirmation       Image: Confirmation       Image: Confirmation         Test Certificates       other         Type Test Certificates       Confirmation       PROFINET- tion         Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind Siemens is working on the renewal of the current EAC certi Please contact your local Siemens office on the status of validit EAC relevant market (other than the sanctioned EAEU member Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875         Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/c10         Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?m	Declaration of Conformity	Special Test Certific- ate

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1400-1LK10-3BA1&lang=en





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