## SIEMENS

## Data sheet

## 3SK2511-1FA10



SIRIUS, interface module PROFINET interface for safety relay 3SK2 from E05 and 3RK312/3RK313 from E04 PROFINET IO interface 100 Mbps, RJ45 22.5 mm width screw terminal parameter assignment via Safety ES without connection cable

Figures	similar
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product brand name         SiRUS           product category         Safety relay           product category         Niterface           Ceneral tachnical data         Printerface           configuration software required         Yes           configuration software required         Yes           configuration software required         So V           degree of pollution         3           surge voltage resistance rated value         800 V           consumed current for rated value of supply voltage         0.04 A           protection class IP         IP20           • of the enclosure         Supply 111 ms           • according to IEC 60068-2-6         5 500 Hz: 0.75 mm           reference code according to IEC 81346-2         K           Substance Prohibitance (Date)         0501/2012           Ambient conditions         10 95 %           air pressure according to IEC 60067-1         Class A           Electromagnetic compatibility         General et al           edue to burst according to IEC 600647-1         Class A           Electromagnetic conding to IEC 61000-4-3         10 V/m		
product designation         Interface module           General technical data         Certificate of suitability UL approval         Yes           configuration software required         Yes; Safety ES V1.0 SP3 and higher         Insulation voltage rated value         50 V           degree of pollution         3         surge voltage rated value         800 V           consumed current for rated value of supply voltage         0.04 A         Protection class IP           protection class IP         IP20         of the enclosure         IP20           • of the enclosure         IP20         Image voltage rated value         80.0 V           vibration resistance         IP20         Image voltage rated value         80.0 V           • according to IEC 60082-26         5 500 Hz: 0.75 mm         Fefrence code according to IEC 610862-26         K           • according to IEC 60082-26         5 500 Hz: 0.75 mm         Fefrence code according to IEC 610862-26         K           • according to IEC 60082-26         5 500 Hz: 0.75 mm         Fefrence code according to IEC 610862-26         K           • according to IEC 60082-26         5 500 Hz: 0.75 mm         Fefrence code according to IEC 61000-45         Stotatoce Prohibitance (Date           • according to IEC 61000-45         0.00 m         Installation alittude at height above sea level maximum         2.000	product brand name	SIRIUS
design of the product     PN Interface       Central technical data	product category	Safety relay
General technical data     Yes       certificate of suitability UL approval     Yes       configuration software required     Yes; Safety ES V1.0 SP3 and higher       Insulation voltage rated value     50 V       degree of pollution     3       surge voltage rated value     800 V       consumed current for rated value of supply voltage     0.04 A       protection class IP     IP20       • of the enclosure     IP20       • of the enclosure     IP20       • of the enclosure     ISg /11 ms       vibration resistance     15g /11 ms       vibration resistance     5 500 Hz: 0.75 mm       reference code according to IEC 6068-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 6068-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 61346-2     K       Substance Prohibitance (Date)     0501/2012       Ambient conditions     10 95 %       air presure according to SN 31205     90 106 kPa       Electromagnetic compatibility     EMC emitted interference according to IEC 60947-1       class A     ELectronagnetic compatibility       edue to conductor-earth surge according to IEC 61000-4-5     Test Level 0.5 KV / 1 KV       field-based interference     4 kV contact discharge / 8 kV air discharge       odue to burst according to IEC 61000-4-5     Test Level 0	product designation	Interface module
certificate of suitability UL approval     Yes       configuration software required     Yes; Safety ES V1.0 SP3 and higher       insulation voltage rated value     50 V       degree of pollution     3       surge voltage resistance rated value     800 V       consumed current for rated value of supply voltage     0.04 A       protection class IP     IP20       • of the enclosure     IP20       shock resistance     15g / 11 ms       vibration resistance     5 500 Hz: 0.75 mm       reference code according to IEC 60068-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 60068-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 60068-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 6008-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 81346-2     K       Substance Prohibitance (Date)     05/01/2012       Ambient conditions     1095 %       installation at hight above sea level maximum     2 000 m       relative humidity during operation     1095 %       air pressure according to IEC 60947-1     class A       Electromagnetic compatibility     Electromagnetic compatibility       Electromagnetic interference     4 kV (power ports)       • due to sunst according to IEC 61000-4-2     2 kV (power ports)       • due to co	design of the product	PN interface
configuration software required     Yes; Safety ES V1.0 SP3 and higher       Insulation voltage rated value     50 V       degree of pollution     3       surge voltage resistance rated value     600 V       consumed current for rated value of supply voltage     0.04 A       protection class IP     IP20       • of the enclosure     IP20       • of the enclosure     15g / 11 ms       vibration resistance     5 500 Hz: 0.75 mm       • according to IEC 60068-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 81346-2     K       Substance Prohibitance (Date)     05/01/2012       Ambient conditions     10 95 %       iar pressure according to N 31205     90 106 kPa       Electromagnetic compatibility     Electromagnetic compatibility       EMC emitted interference according to IEC 61000-4-4     2 kV (power ports)       • due to burst according to IEC 61000-4-3     10 V/m       • due to burst according to IEC 61000-4-3     4 kV contact discharge / 8 kV air discharge       Safety rolated data     10 kPa       Communication/ Protocol     No       PROFINET IO protocol     Yes	General technical data	
insulation voltage rated value     50 V       degree of pollution     3       surge voltage resistance rated value     800 V       consumed current for rated value of supply voltage     0.04 A       protection class IP     IP20       • of the enclosure     IP20       shock resistance     IP20       • of the enclosure     IP20       shock resistance     IP20       • according to IEC 60068-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 81346-2     K       Substance Prohibitance (Date)     05/01/2012       Ambient conditions     0       Installation altitude at height above sea level maximum     2 000 m       relative humidity during operation     10 95 %       air pressure according to IEC 60947-1     class A       EMC emitted interference according to IEC 60947-1     class A       conducted interference     e       • due to burst according to IEC 61000-4-3     10 V/m       • due to conductor-earth surge according to IEC 61000-4-3     10 V/m       • due to burst according to IEC 61000-4-2     4 kV contact discharge / 8 kV air discharge       Safety rolated data     finger-safe       Communication!     finger-safe       Conductor against electrical shock     finger-safe       Conductor lis supported     in gene-safe <tr< td=""><td>certificate of suitability UL approval</td><td>Yes</td></tr<>	certificate of suitability UL approval	Yes
degree of pollution     3       surge voltage resistance rated value     800 V       consumed current for rated value of supply voltage     0.04 A       protection class IP     IP20       • of the enclosure     IP20       shock resistance     15g / 11 ms       vibration resistance     5 500 Hz: 0.75 mm       • according to IEC 6068-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 81346-2     K       Substance Prohibitance (Date)     05/01/2012       Ambient conditions     10 95 %       air pressure according to SN 31205     90 106 kPa       Electromagnetic compatibility     Electromagnetic compatibility       EMC immunity according to IEC 60947-1     class A       EMC immunity according to IEC 60947-1     class A       e. due to burst according to IEC 61000-4-4     2 kV (power ports)       • due to burst according to IEC 61000-4-3     10 V/m       electrostatic discharge according to IEC 61000-4-3     10 V/m       electrostatic discharge according to IEC 61000-4-3     10 V/m       electrostatic discharge according to IEC 61000-4-2     4 kV contact discharge / 8 kV air discharge       Safety rolated data     finger-safe       Communication/ Protocol     No       e PROFINES ID protocol     No	configuration software required	Yes; Safety ES V1.0 SP3 and higher
surge voltage resistance rated value     800 V       consumed current for rated value of supply voltage     0.04 A       protection class IP     IP20       • of the enclosure     IIP20       shock resistance     15g / 11 ms       vibration resistance     5 500 Hz: 0.75 mm       reference code according to IEC 60068-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 81346-2     K       Substance Prohibitance (Date)     05/01/2012       Ambient conditions     0 95 %       installation altitude at height above sea level maximum     2 000 m       relative humidity during operation     10 95 %       air pressure according to IEC 60947-1     class A       Electromagnetic compatibility     Electromagnetic compatibility       EMC emitted interference according to IEC 61000-4-4     2 kV (power ports)       • due to burst according to IEC 61000-4-3     10 V/m       • due to burst according to IEC 61000-4-3     10 V/m       • due to conductor-earth surge according to IEC 61000-4-3     10 V/m       electrostatic discharge according to IEC 61000-4-2     4 kV contact discharge / 8 kV air discharge       Safety related data     finger-safe       Communication/ Protocol     No       protocol is supported     PROFINUS D protocol       • PROFINUS D P protocol     No       • PROFINUS D	insulation voltage rated value	50 V
consumed current for rated value of supply voltage     0.04 A       protection class IP     IP20       • of the enclosure     IP20       shock resistance     159 /11 ms       • according to IEC 60068-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 81346-2     K       Substance Prohibitance (Date)     05/11/2012       Ambient conditions     10 95 %       installation attitude at height above sea level maximum     2 000 m       relative humidity during operation     10 95 %       air pressure according to IEC 60947-1     class A       Electromagnetic compatibility     EMC emitted interference according to IEC 60947-1       Class A     2 kV (power ports)       • due to burst according to IEC 61000-4-3     10 V/m       • due to burst according to IEC 61000-4-5     Test Level 0.5 KV /1 KV       field-based interference according to IEC 61000-4-5     10 V/m       • due to burst according to IEC 61000-4-5     10 V/m       • due to burst according to IEC 61000-4-5     10 V/m       • due to conductor-earth surge according to IEC 61000-4-5     10 V/m       • due to conductor-earth surge according to IEC 61000-4-5     10 V/m       • due to conductor-earth surge according to IEC 61000-4-5     10 V/m       • due to conductor-earth surge according to IEC 61000-4-5     10 V/m       electrostatic discharge accordi	degree of pollution	3
protection class IP       IP20         • of the enclosure       IP20         shock resistance       15g / 11 ms         vibration resistance	surge voltage resistance rated value	800 V
• of the enclosureIP20shock resistance15g / 11 msvibration resistance15g / 11 ms• according to IEC 60068-2-65 500 Hz: 0.75 mmreference code according to IEC 81346-2KSubstance Prohibitance (Date)050/12012Ambient conditions2 000 mrelative humidity during operation10 95 %air pressure according to IEC 60947-1class AEMC emitted interference according to IEC 60947-1class Aconductor left of 60047-1class Aconductor earth surge according to IEC 61000-4-310 V/meldet to burst according to IEC 61000-4-310 V/meldet to surst cording to IEC 61000-4-310 V/meldetrostatic discharge according to IEC 61000-4-24 kV contact discharge / 8 kV air dischargeSafety related dataElectrostatic discharge / 8 kV air dischargecommunication/ ProtocolFinger-safeprotocol is supportedPROFIBUS DP protocol• PROFIBUS DP protocolNo• PROFIBUS DP protocolYes	consumed current for rated value of supply voltage	0.04 A
shock resistance     15g / 11 ms       vibration resistance     5 500 Hz: 0.75 mm       reference code according to IEC 60068-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 81346-2     K       Substance Prohibitance (Date)     0501/2012       Ambient conditions     2 000 m       relative humidity during operation     10 95 %       air pressure according to SN 31205     90 106 kPa       Electromagnetic compatibility     EMC emitted interference according to IEC 60947-1       class A     Class A       conducted interference     0 Lass A       e due to burst according to IEC 61000-4-4     2 kV (power ports)       e due to burst according to IEC 61000-4-3     10 V/m       electrostatic discharge according to IEC 61000-4-3     10 V/m       electrostatic discharge according to IEC 61000-4-2     4 kV contact discharge / 8 kV air discharge       Safety related data     5       touch protection against electrical shock     finger-safe       communication/ Protocol     No       protocol is supported     No       e PROFIBUS DP protocol     Yes	protection class IP	IP20
vibration resistance     vibration resistance       • according to IEC 60068-2-6     5 500 Hz: 0.75 mm       reference code according to IEC 81346-2     K       Substance Prohibitance (Date)     05/01/2012       Ambient conditions     05/01/2012       Ambient conditions     2 000 m       relative humidity during operation     10 95 %       air pressure according to SN 31205     90 106 kPa       Electromagnetic compatibility     Electromagnetic compatibility       EMC emitted interference according to IEC 60947-1     class A       conducted interference     edue to burst according to IEC 61000-4-4       • due to burst according to IEC 61000-4-5     Test Level 0.5 KV / 1 KV       field-based interference according to IEC 61000-4-3     10 V/m       • due to conductor-earth surge according to IEC 61000-4-3     10 V/m       • due to conductor-earth surge according to IEC 61000-4-3     10 V/m       • due to conductor-earth surge according to IEC 61000-4-3     10 V/m       • due to protection against electrical shock     finger-safe       Communication/ Protocol     finger-safe       Communication/ Protocol     No       • PROFIBUS DP protocol     Yes	of the enclosure	IP20
• according to IEC 60068-2-65 500 Hz: 0.75 mmreference code according to IEC 81346-2KSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 mInstallation altitude at height above sea level maximum2 000 mrelative humidity during operation10 95 %air pressure according to SN 3120590 106 kPaElectromagnetic compatibilityEMC emitted interference according to IEC 60947-1class AEMC emitted interferenceclass Ae due to burst according to IEC 61000-4-42 kV (power ports)• due to conductor-earth surge according to IEC 61000-4-5Test Level 0.5 KV / 1 KVfield-based interference according to IEC 61000-4-310 V/melectrostatic discharge according to IEC 61000-4-110 V/melectrostatic discharge according to IEC 61000-4-2kV contact discharge / 8 kV air dischargeSafety related dataFortocoltouch protection against electrical shockfinger-safeCommunication/ ProtocolNoPROFIBUS DP proto	shock resistance	15g / 11 ms
reference code according to IEC 81346-2       K         Substance Prohibitance (Date)       05/01/2012         Ambient conditions       10         installation altitude at height above sea level maximum       2 000 m         relative humidity during operation       10 95 %         air pressure according to SN 31205       90 106 kPa         Electromagnetic compatibility       10 class A         EMC emitted interference according to IEC 60947-1       class A         Conducted interference       2 kV (power ports)         - due to burst according to IEC 61000-4-4       2 kV (power ports)         - due to conductor-earth surge according to IEC 61000-4-5       Test Level 0.5 KV / 1 KV         field-based interference according to IEC 61000-4-2       4 kV contact discharge / 8 kV air discharge         Safety related data       10 V/m         touch protection against electrical shock       finger-safe         Communication/ Protocol       No         PROFIBUS DP protocol       No         • PROFIBUS DP protocol       Yes	vibration resistance	
Substance Prohibitance (Date)       05/01/2012         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         relative humidity during operation       10 95 %         air pressure according to SN 31205       90 106 kPa         Electromagnetic compatibility       Electromagnetic compatibility         EMC emitted interference according to IEC 60947-1       class A         conducted interference       Class A         é due to burst according to IEC 61000-4-4       2 kV (power ports)         é due to burst according to IEC 61000-4-3       10 V/m         electrostatic discharge according to IEC 61000-4-3       10 V/m         electrostatic discharge according to IEC 61000-4-2       4 kV contact discharge / 8 kV air discharge         Safety related data       touch protection against electrical shock       finger-safe         Communication/ Protocol       No       Yes	according to IEC 60068-2-6	5 500 Hz: 0.75 mm
Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         relative humidity during operation       10 95 %         air pressure according to SN 31205       90 106 kPa         Electromagnetic compatibility       90 106 kPa         Electromagnetic compatibility       EMC emitted interference according to IEC 60947-1       class A         EMC immunity according to IEC 60947-1       Class A       Conducted interference         • due to burst according to IEC 61000-4-4       2 kV (power ports)       Cent Level 0.5 KV / 1 KV         field-based interference according to IEC 61000-4-3       10 V/m       electrostatic discharge according to IEC 61000-4-2         4 kV contact discharge / 8 kV air discharge       Safety related data       touch protection against electrical shock       finger-safe         Communication/ Protocol       PROFIBUS DP protocol       No       Yes	reference code according to IEC 81346-2	К
installation altitude at height above sea level maximum       2 000 m         relative humidity during operation       10 95 %         air pressure according to SN 31205       90 106 kPa         Electromagnetic compatibility       Electromagnetic compatibility         EMC emitted interference according to IEC 60947-1       class A         EMC immunity according to IEC 60947-1       Class A         conducted interference          • due to burst according to IEC 61000-4-4       2 kV (power ports)         • due to conductor-earth surge according to IEC 61000-4-5       Test Level 0.5 KV / 1 KV         field-based interference according to IEC 61000-4-3       10 V/m         electrostatic discharge according to IEC 61000-4-2       4 kV contact discharge / 8 kV air discharge         Safety related data          touch protection against electrical shock       finger-safe         Communication/ Protocol       No         • PROFIBUS DP protocol       No         • PROFIBUS DP protocol       Yes	Substance Prohibitance (Date)	05/01/2012
relative humidity during operation       10 95 %         air pressure according to SN 31205       90 106 kPa         Electromagnetic compatibility       EMC emitted interference according to IEC 60947-1       class A         EMC immunity according to IEC 60947-1       Class A       Class A         conducted interference           • due to burst according to IEC 61000-4-4       2 kV (power ports)          • due to conductor-earth surge according to IEC 61000-4-5       Test Level 0.5 KV / 1 KV          field-based interference according to IEC 61000-4-3       10 V/m          electrostatic discharge according to IEC 61000-4-2       4 kV contact discharge / 8 kV air discharge         Safety related data        finger-safe         Communication/ Protocol       No          protocol is supported       No       Yes	Ambient conditions	
air pressure according to SN 31205 90 106 kPa Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A EMC immunity according to IEC 60947-1 Class A conducted interference • due to burst according to IEC 61000-4-4 2 kV (power ports) • due to conductor-earth surge according to IEC 61000-4-5 Test Level 0.5 KV / 1 KV field-based interference according to IEC 61000-4-3 10 V/m electrostatic discharge according to IEC 61000-4-2 4 kV contact discharge / 8 kV air discharge Safety related data touch protection against electrical shock finger-safe Communication/ Protocol protocol is supported • PROFIBUS DP protocol No • PROFINET IO protocol Yes	installation altitude at height above sea level maximum	2 000 m
Electromagnetic compatibility         EMC emitted interference according to IEC 60947-1       class A         EMC immunity according to IEC 60947-1       Class A         conducted interference       -         • due to burst according to IEC 61000-4-4       2 kV (power ports)         • due to conductor-earth surge according to IEC 61000-4-5       Test Level 0.5 KV / 1 KV         field-based interference according to IEC 61000-4-3       10 V/m         electrostatic discharge according to IEC 61000-4-2       4 kV contact discharge / 8 kV air discharge         Safety related data	relative humidity during operation	10 95 %
EMC emitted interference according to IEC 60947-1       class A         EMC immunity according to IEC 60947-1       Class A         conducted interference       -         • due to burst according to IEC 61000-4-4       2 kV (power ports)         • due to conductor-earth surge according to IEC 61000-4-5       Test Level 0.5 KV / 1 KV         field-based interference according to IEC 61000-4-3       10 V/m         electrostatic discharge according to IEC 61000-4-2       4 kV contact discharge / 8 kV air discharge         Safety related data	air pressure according to SN 31205	90 106 kPa
EMC immunity according to IEC 60947-1       Class A         conducted interference       -         • due to burst according to IEC 61000-4-4       2 kV (power ports)         • due to conductor-earth surge according to IEC 61000-4-5       Test Level 0.5 KV / 1 KV         field-based interference according to IEC 61000-4-3       10 V/m         electrostatic discharge according to IEC 61000-4-2       4 kV contact discharge / 8 kV air discharge         Safety related data	Electromagnetic compatibility	
conducted interference       2 kV (power ports)         • due to burst according to IEC 61000-4-4       2 kV (power ports)         • due to conductor-earth surge according to IEC 61000-4-5       Test Level 0.5 KV / 1 KV         field-based interference according to IEC 61000-4-3       10 V/m         electrostatic discharge according to IEC 61000-4-2       4 kV contact discharge / 8 kV air discharge         Safety related data       finger-safe         communication/ Protocol       Finger-safe         protocol is supported       No         • PROFIBUS DP protocol       Yes	EMC emitted interference according to IEC 60947-1	class A
• due to burst according to IEC 61000-4-42 kV (power ports)• due to conductor-earth surge according to IEC 61000-4-5Test Level 0.5 KV / 1 KVfield-based interference according to IEC 61000-4-310 V/melectrostatic discharge according to IEC 61000-4-24 kV contact discharge / 8 kV air dischargeSafety related datafinger-safecommunication/ ProtocolFinger-safeprotocol is supportedNo• PROFIBUS DP protocolNo• PROFINET IO protocolYes	EMC immunity according to IEC 60947-1	Class A
• due to conductor-earth surge according to IEC 61000-4-5       Test Level 0.5 KV / 1 KV         field-based interference according to IEC 61000-4-3       10 V/m         electrostatic discharge according to IEC 61000-4-2       4 kV contact discharge / 8 kV air discharge         Safety related data       5         touch protection against electrical shock       finger-safe         Communication/ Protocol       9         protocol is supported       No         • PROFIBUS DP protocol       Yes	conducted interference	
field-based interference according to IEC 61000-4-3       10 V/m         electrostatic discharge according to IEC 61000-4-2       4 kV contact discharge / 8 kV air discharge         Safety related data       5afety related data         touch protection against electrical shock       finger-safe         Communication/ Protocol       6         PROFIBUS DP protocol       No         • PROFINET IO protocol       Yes	<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV (power ports)
electrostatic discharge according to IEC 61000-4-2       4 kV contact discharge / 8 kV air discharge         Safety related data       finger-safe         Communication/ Protocol       finger-safe         protocol is supported       No         • PROFIBUS DP protocol       Yes	• due to conductor-earth surge according to IEC 61000-4-5	Test Level 0.5 KV / 1 KV
Safety related data       finger-safe         Communication/ Protocol       finger-safe         protocol is supported          • PROFIBUS DP protocol       No         • PROFINET IO protocol       Yes	field-based interference according to IEC 61000-4-3	10 V/m
touch protection against electrical shock     finger-safe       Communication/ Protocol     Front Col       protocol is supported     No       • PROFIBUS DP protocol     No       • PROFINET IO protocol     Yes	electrostatic discharge according to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
Communication/ Protocol         protocol is supported         • PROFIBUS DP protocol         • PROFINET IO protocol         Yes	Safety related data	
protocol is supported     No       • PROFIBUS DP protocol     No       • PROFINET IO protocol     Yes	touch protection against electrical shock	finger-safe
PROFIBUS DP protocol     No     PROFINET IO protocol     Yes	Communication/ Protocol	
PROFINET IO protocol     Yes	protocol is supported	
	PROFIBUS DP protocol	No
PROFIsafe protocol     No	PROFINET IO protocol	Yes
	PROFIsafe protocol	No
• LLDP Yes	• LLDP	Yes
Address Resolution Protocol (ARP) Yes	Address Resolution Protocol (ARP)	Yes

• SNMP	Yes		
• HTTPS	No		
• NTP	No		
Media Redundancy Protocol (MRP)	No		
design of the interface			
Ethernet interface	Yes		
Fast Ethernet interface	No		
number of interfaces according to PROFINET	1		
product function			
<ul> <li>at the Ethernet interface Autocrossover</li> </ul>	Yes		
<ul> <li>at the Ethernet interface Autonegotiation</li> </ul>	Yes		
<ul> <li>at the Ethernet interface Autosensing</li> </ul>	Yes		
<ul> <li>supports PROFlenergy measured values</li> </ul>	No		
<ul> <li>supports PROFlenergy shutdown</li> </ul>	No		
interface design 1 RJ45 (Ethernet)	Yes		
protocol at the 1st interface media redundancy protocol	No		
product function at the 1st interface PROFINET IO device	Yes		
number of ports at the 1st interface	1		
service as PROFINET IO device			
prioritized startup	No		
isochronous mode	No		
supports PROFlenergy	No		
• IRT	No		
• MRP	No		
service for open IE communication			
• LLDP	Yes		
SNMP	Yes		
• TCP/IP	No		
transmission mode for Industrial Ethernet	PROFINET with 100 Mbps full	duploy (100PASE TV)	
	B		
PROFINET conformity class	1		
network load class according to PROFINET specification for Security Level 1 test according to PROFINET	V1.1.6		
data volume of the cyclic user data			
• for inputs with PROFINET IO	64 bit		
<ul> <li>for outputs with PROFINET IO</li> </ul>	64 bit		
data volume as user data per station maximum	8 byte		
operating power rated value	1 W		
Control circuit/ Control			
type of voltage	DC		
control supply voltage rated value	24 V		
inrush current peak at 24 V	4 A		
duration of inrush current peak at 24 V	1 ms		
Installation/ mounting/ dimensions			
mounting position	201/		
	any Snap-mounted to DIN rail or so	new mounted with addition	nal nuch in lug
fastening method	100 mm		na push-in lug
height	22.5 mm		
depth	124.5 mm		
weight without packaging	148 kg		
Connections/ Terminals	Vac		
product function removable terminal	Yes		
type of connectable conductor cross-sections		4 5	
• solid	1x (0.5 2.5 mm <sup>2</sup> ), 2x (1.0		
finely stranded with core end processing	1x (0.5 2.5 mm <sup>2</sup> ), 2x (0.5	1.0 mm²)	
• for AWG cables solid	1x (20 14), 2x (18 16)		
for AWG cables stranded	1x (20 14), 2x (18 16)		
Certificates/ approvals			
General Product Approval		Functional Safety/Safety of Ma- chinery	Declaration of Con- formity

	<u>Confirmation</u>		EHC	<u>Type Examination Cer-</u> <u>tificate</u>	CE EG-Konf.
Declaration of Con- formity	Test Certificates	other			
UK CA	Type Test Certific- ates/Test Report	<u>Confirmation</u>	Profibus		

## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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?mlfb=3SK2511-1FA10

Cax online generator

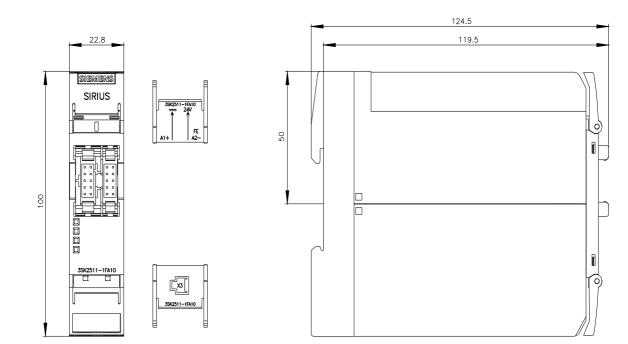
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SK2511-1FA10

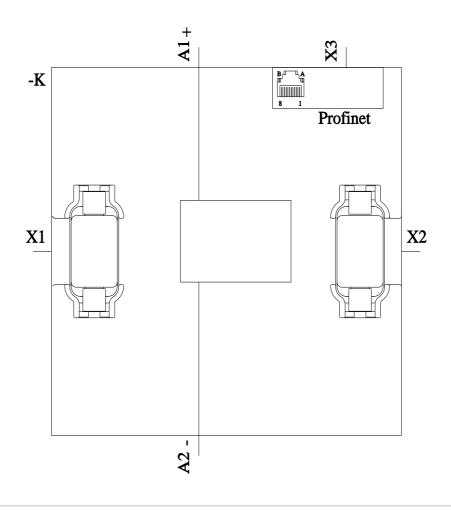
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SK2511-1FA10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SK2511-1FA10&lang=en





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