



Figure similar

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

product brand name		SIRIUS
product category		Safety relay
product designation		Interface module
design of the product		PN interface
General technical data		
configuration software required		Yes; Safety ES V1.0 SP3 and higher
protection class IP		IP20
protection class IP of the enclosure		IP20
shock resistance		15g / 11 ms
degree of pollution		3
certificate of suitability UL approval		Yes
vibration resistance according to IEC 60068-2-6		5 ... 500 Hz: 0.75 mm
surge voltage resistance rated value	V	800
insulation voltage rated value	V	50
consumed current for rated value of supply voltage	A	0.04
reference code according to EN 61346-2		K
Communication/ Protocol		
protocol is supported		
• PROFIBUS DP protocol		No
• SNMP		Yes
• HTTPS		No
• LLDP		Yes
• PROFINET IO protocol		Yes
• PROIsafe protocol		No
• NTP		No
• Media Redundancy Protocol (MRP)		No
• Address Resolution Protocol (ARP)		Yes
transmission mode for Industrial Ethernet		PROFINET with 100 Mbps full duplex (100BASE-TX)
data volume as user data per station maximum	byte	8
data volume of the cyclic user data		
• for inputs with PROFINET IO	bit	64
• for outputs with PROFINET IO	bit	64
product function at the Ethernet interface		
• Autonegotiation		Yes
• Autosensing		Yes
• Autocrossover		Yes
service for open IE communication		
• LLDP		Yes

• SNMP • TCP/IP		Yes
service as PROFINET IO device		No
• isochronous mode • MRP • IRT • prioritized startup • supports PROFINET energy • supports Shared Device		No
PROFINET conformity class		B
network load class according to PROFINET		1
specification for Security Level 1 test according to PROFINET		V1.1.6
product function		No
• supports PROFINET energy measured values • supports PROFINET shutdown		No
product function at the 1st interface PROFINET IO device		Yes
protocol at the 1st interface media redundancy protocol		No
number of ports at the 1st interface		1
interface design 1 RJ45 (Ethernet)		Yes
design of the interface		Yes
• Ethernet interface • Fast Ethernet interface		No
number of interfaces according to PROFINET		1
Control circuit/ Control		
control supply voltage rated value	V	24
type of voltage		DC
operating range factor control supply voltage rated value at DC		0.85 ... 1.2
inrush current peak at 24 V	A	4
duration of inrush current peak at 24 V	ms	1
operating power rated value	W	1
Installation/ mounting/ dimensions		
fastening method		Snap-mounted to DIN rail or screw-mounted with additional push-in lug
mounting position		any
width	mm	22.5
height	mm	100
depth	mm	124.5
weight without packaging	kg	148
Connections/ Terminals		
product function removable terminal		Yes
type of connectable conductor cross-sections solid		1x (0.5 ... 2.5 mm ²), 2x (1.0 ... 1.5 mm ²)
connectable conductor cross-section solid	mm ²	0.5 ... 2.5
type of connectable conductor cross-sections finely stranded with core end processing		1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.0 mm ²)
connectable conductor cross-section finely stranded with core end processing	mm ²	0.5 ... 2.5
type of electrical connection		screw-type terminals
AWG number as coded connectable conductor cross section		20 ... 14
• solid • stranded		20 ... 14
type of connectable conductor cross-sections at AWG cables		1x (20 ... 14), 2x (18 ... 16)
• solid • stranded		1x (20 ... 14), 2x (18 ... 16)
Safety related data		
touch protection against electrical shock		finger-safe

Electromagnetic compatibility		
EMC immunity according to IEC 60947-1		Class A
conducted interference due to burst according to IEC 61000-4-4		2 kV (power ports)
conducted interference due to conductor-earth surge according to IEC 61000-4-5		Test Level 0.5 kV / 1 kV
electrostatic discharge according to IEC 61000-4-2		4 kV contact discharge / 8 kV air discharge
field-based interference according to IEC 61000-4-3		10 V/m
EMC emitted interference according to IEC 60947-1		class A
Ambient conditions		
installation altitude at height above sea level maximum	m	2 000
ambient temperature		
• during operation	°C	-25 ... +60
• during storage	°C	-40 ... +85
• during transport	°C	-40 ... +80
relative humidity during operation	%	10 ... 95
air pressure according to SN 31205	kPa	90 ... 106
Certificates/ approvals		
General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity



[Confirmation](#)



[Type Examination Certificate](#)



EG-Konf.

Test Certificates	other
-------------------	-------

[Type Test Certificates/Test Report](#)

[Confirmation](#)



Profibus

Further information

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

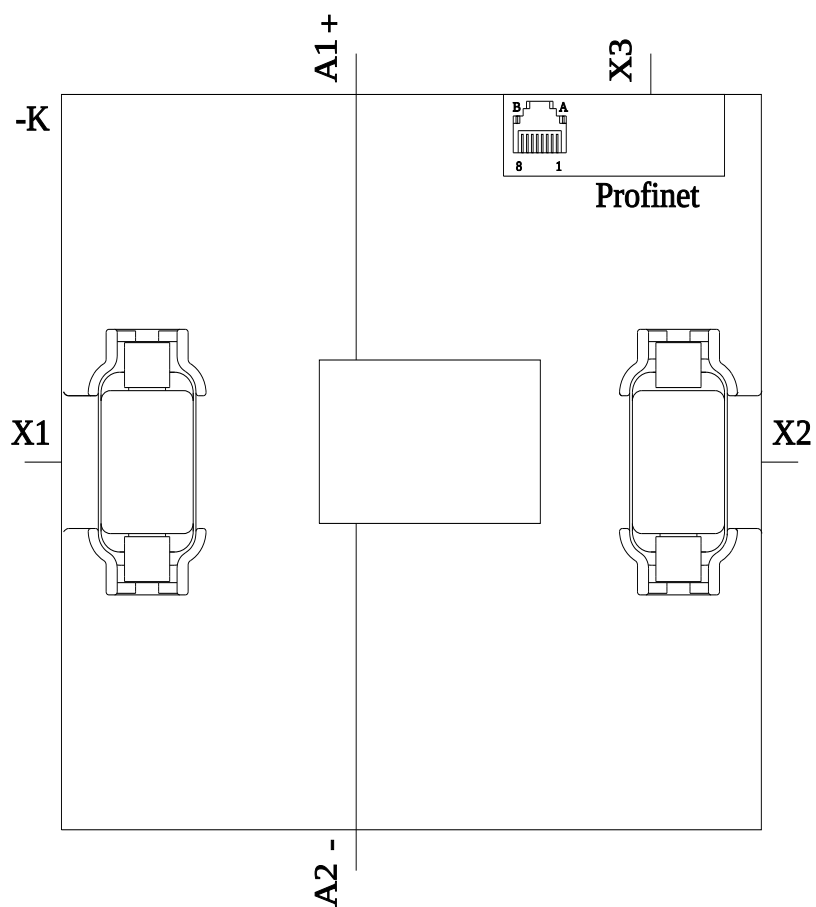
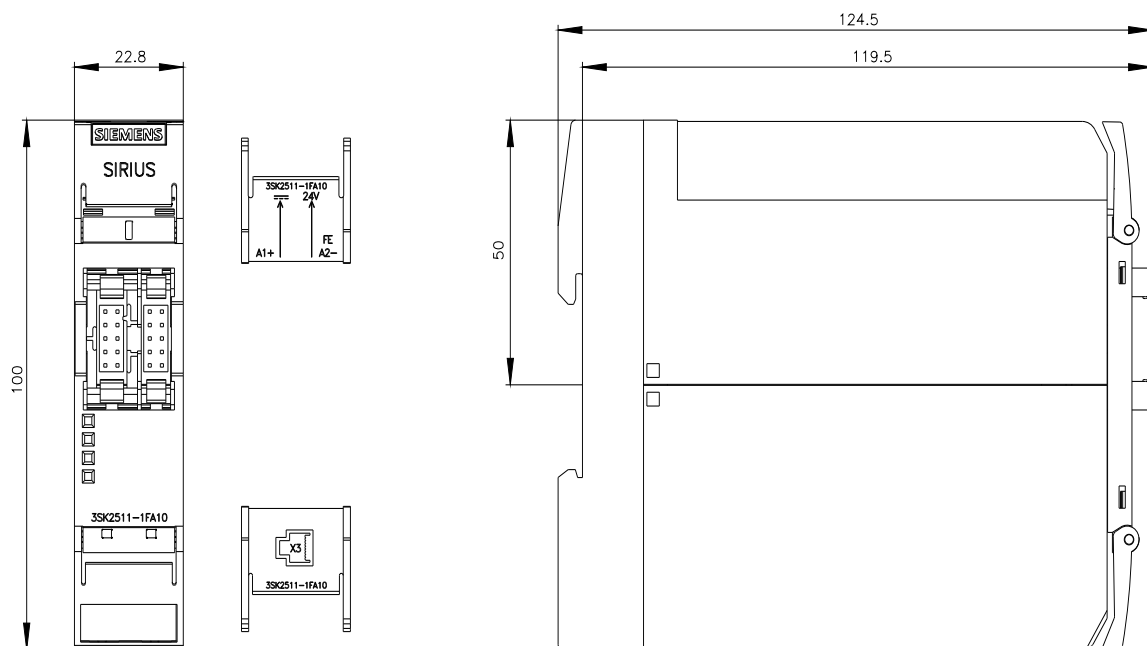
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SK2511-1FA10>

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



last modified:

1/12/2021