



SIRIUS, interface module PROFINET interface for safety relay 3SK2 as of E05 and 3RK31 as of E04 PROFINET IO interface 100 Mbit/s, RJ45 22.5 mm width Spring-type terminal Can be parameterized via Safety ES without connecting cable

product brand name	SIRIUS
product category	Safety relay
product designation	Interface module
design of the product	PN interface
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 resistance rated value	800 V
consumed current for rated value of supply voltage	0.04 A
protection class IP of the enclosure	IP20
shock resistance	15g / 11 ms
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
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8
Weight	0.164 kg
Ambient conditions	
installation altitude at height above sea level maximum	4 000 m; Derating, see Product Notification 109792701
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
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
electrostatic discharge according to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
Electrical Safety	
touch protection against electrical shock	finger-safe
operating power rated value	1 W
Communication/ Protocol	
protocol is supported	
• PROFIBUS DP protocol	No
• PROFINET IO protocol	Yes
• PROFIsafe protocol	No



<ul style="list-style-type: none"> • LLDP 	Yes
<ul style="list-style-type: none"> • Address Resolution Protocol (ARP) 	Yes
<ul style="list-style-type: none"> • SNMP 	Yes
<ul style="list-style-type: none"> • HTTPS 	No
<ul style="list-style-type: none"> • NTP 	No
<ul style="list-style-type: none"> • Media Redundancy Protocol (MRP) 	No
design of the interface	
<ul style="list-style-type: none"> • Ethernet interface 	Yes
<ul style="list-style-type: none"> • Fast Ethernet interface 	No
number of interfaces according to PROFINET	1
product function	
<ul style="list-style-type: none"> • at the Ethernet interface Autocrossover 	Yes
<ul style="list-style-type: none"> • at the Ethernet interface Autonegotiation 	Yes
<ul style="list-style-type: none"> • at the Ethernet interface Autosensing 	Yes
<ul style="list-style-type: none"> • supports PROFINergy measured values 	No
<ul style="list-style-type: none"> • supports PROFINergy shutdown 	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	
<ul style="list-style-type: none"> • prioritized startup 	No
<ul style="list-style-type: none"> • isochronous mode 	No
<ul style="list-style-type: none"> • supports PROFINergy 	No
<ul style="list-style-type: none"> • IRT 	No
<ul style="list-style-type: none"> • MRP 	No
service for open IE communication	
<ul style="list-style-type: none"> • LLDP 	Yes
<ul style="list-style-type: none"> • SNMP 	Yes
<ul style="list-style-type: none"> • TCP/IP 	No
transmission mode for Industrial Ethernet	PROFINET with 100 Mbps full duplex (100BASE-TX)
PROFINET conformity class	B
network load class according to PROFINET	I
specification for Security Level 1 test according to PROFINET	V1.1.6
data volume of the cyclic user data	
<ul style="list-style-type: none"> • for inputs with PROFINET IO 	64 bit
<ul style="list-style-type: none"> • for outputs with PROFINET IO 	64 bit
data volume as user data per station maximum	8 byte
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	any
fastening method	Snap-mounted to DIN rail or screw-mounted with additional push-in lug
height	100 mm
width	22.5 mm
depth	124.5 mm
weight without packaging	140 kg
Connections/ Terminals	
product function removable terminal	Yes
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • solid 	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 1.5 mm ²)
<ul style="list-style-type: none"> • finely stranded with core end processing 	1x (0.5 ... 1.0 mm ²), 2x (0.5 ... 1.0 mm ²)
<ul style="list-style-type: none"> • for AWG cables solid 	1x (20 ... 16), 2x (20 ... 16)
<ul style="list-style-type: none"> • for AWG cables stranded 	1x (20 ... 16), 2x (20 ... 16)
type of connectable conductor cross-sections	

- for auxiliary contacts
 - solid
 - finely stranded with core end processing
 - finely stranded without core end processing
- for AWG cables for auxiliary contacts

2x (0.25 ... 1.5 mm²)
 2x (0.25 ... 1.5 mm²)
 2x (0.25 ... 1.5 mm²)
 2x (20 ... 16)

Approvals Certificates

General Product Approval	EMV	Functional Safety
    		Type Examination Certificate

Test Certificates	other	Environment	Industrial Communication
Type Test Certificates/Test Report		Confirmation	

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SK2511-2FA10>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SK2511-2FA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SK2511-2FA10>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SK2511-2FA10&lang=en

