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	
 for diagnostic function: Supply voltage monitoring power LED 	Yes
 status Tx/Rx link 	Yes
General technical data	
product function	
 reverse polarity protection 	Yes
 diagnostics function 	Yes
• alarms	Yes
● I&M data	Yes; I&M0 I&M3
firmware version	2.1.1
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	
 of the operating voltage 	DC
of the input voltage	DC
surge voltage resistance rated value	0.8 kV
consumed current	
• maximum	150 mA
rated value	28 mA
protection class IP	IP20
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	08/24/2018
operating voltage rated value	20.4 V
I2t value	0.008 A²-s
Supply voltage	
supply voltage at DC rated value	24 V
Communication/ Protocol	
protocol is supported	

PROFIsafe protocol PROFIsafe protocol the Ethernet interface * Autocrossover	PROFINET IO protocol	Yes
Product function at the Ethernet interface	PROFINET IO protocol PROFISafe protocol	
Autorosover Yes Autorosover Yes Autorosover Yes Protocol at the 1st interface media redundancy protocol Protocol at the 1st interface PROFINET TO device Protocol at the 1st interface as expensive protocol PROFINET given redundancy **PROFINET in device as PROFINET TO device **Protocol as startup **PROFINET REPORT TO device as supports PROFINET No. **PROFINET No		INO
- Authorspotiation	•	Vac
protocol at the 1st interface media redundancy protocol product function at the 1st interface PROFINET (O device) Yes Proportical Transport of the PROFINET (O device) Supported PROFINET (O device) Supported PROFINET (O device) Supported PROFINET (O device) Supports Sharred Device		
product function of the PROFINET IO device is supported PROFINET system and money service as PROFINET IO device profitzed startup is contractual startup service as PROFINET IO device profitzed startup is contractual startup is co		
Process Proc	<u> </u>	
PROFINET system redundancy	<u> </u>	
	•	INO
Sociotronous mode No No	service as PROFINET IO device	
Supports Shared Device No	 prioritized startup 	No
Supports PROFlenergy IRT No MRP No MRP No MRP No No Service for open IE communication LLDP SSMAP Yes SSMAP Yes GSD version/revision with PROFINET required V2.3 SERVICE for open IE communication PROFINET with 100 Mbps full duplex (100BASE-TX) Resilient to network load class according to PROFINET Interval in the maximum Interval	• isochronous mode	No
No	 supports Shared Device 	No
MRP	 supports PROFlenergy 	No
MRPD Service for open IL communication LLDP SINMP SINMP SINMP TOPIPP SINMP TOPIPP GSD version/revision with PROFINET required V2.3 Extransmission mode for Industrial Ethernet PROFINET Mult 100 Mbps full duplex (1008ASE-TX) PROFINET PROFINET PROFINET In table as according to PROFINET PROFINET PROFINET Control circuit/ Control Inrush current maximum Inrush current from Inrush Inrush condition Inrush current from Inrush Inrush current from Inrush Inrush condition Inrush current from Inrush Inrush current fr	• IRT	No
service for open IE communication LLDP SSNAP SSNAP TCP/IP Yes SSNAP TCP/IP Yes SCBV ersion/revision with PROFINET required V2.3 transmission mode for industrial Ethernet PROFINET with 100 Mbps full duplex (100BASE-TX) network load class according to PROFINET Resilient to network loading PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET Insulation of Security Level 1 test according to PROFINET with 100 Mbps (Insulation Security Level 1 test according to PROFINET with 100 Mbps Insulation of Profine test according to PROFINET Insulation of Profined data Insulation of Profined test according to PROFINET Insulation of PROFINET Insulation of PROFINET Insulation of PROFINET Insulation of PROFIN	• MRP	No
SIMIP	• MRPD	No
• SNMP	service for open IE communication	
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GSD version/revision with PROFINET required transmission mode for industrial Ethernet network load class according to PROFINET 1 specification for Security Level 1 test according to PROFINET Control circuit/ Control inrush current maximum 3	• SNMP	Yes
transmission mode for industrial Ethernet network load class according to PROFINET network load class according to PROFINET profit of Security Level 1 test according to PROFINET Control circulti Control inrush current maximum 16 A Silvanic Isolation galvanic Isolation galvanic Isolation between PROFINET and all other circuits safety-related 0 0 number of digital inputs safety-related 0 0 number of digital outputs Connectable conductor cross-section for auxiliary contacts solid or stranded solid with core end processing solid with core end processin	• TCP/IP	Yes
Inetwork load class according to PROFINET specification for Security Level 1 test according to PROFINET PROFINET Control circuit/ Control inrush current maximum 36 A 36	GSD version/revision with PROFINET required	V2.3
specification for Security Level 1 test according to PROFINET Solvanic isolation Galvanic isolation between PROFINET and all other circuits galvanic isolation between PROFINET and all other circuits galvanic isolation between PROFINET and all other circuits public Joutputs number of digital inputs safety-related 0 number of digital outputs 0 Profined pr	transmission mode for Industrial Ethernet	PROFINET with 100 Mbps full duplex (100BASE-TX)
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Galvanic isolation galvanic isolation between PROFINET and all other circuits rputs/ Outputs **mumber of digital inputs** **safety-related** **number of digital outputs** **connections/ Terminals** **type of electrical connection spring-loaded terminals** **connectable conductor cross-section for auxiliary contacts** **solid or stranded of efficient spring-loaded terminals** **connectable conductor cross-section for auxiliary contacts** **solid or stranded of efficient spring-loaded terminals** **connectable conductor cross-section** **solid or stranded with core end processing	Control circuit/ Control	
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type of electrical connection spring-loaded terminals connectable conductor cross-section for auxiliary contacts	number of digital outputs	0
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ambient temperature		
 ◆ during operation ◆ during storage ←40 +80 °C explosion protection marking for intrinsic safety of related No 		
• during storage -40 +80 °C explosion protection marking for intrinsic safety of related No		-25 +60 °C
explosion protection marking for intrinsic safety of related No		
		110

explosion protection marking for intrinsic safety of related equipment EEx ib	No
Installation/ mounting/ dimensions	
fastening method of modules and accessories	Front plate mounting
height	80.1 mm
width	40 mm
depth	72.1 mm
Certificates/ approvals	

Certificates/ approvals

General Product Approval Declaration of Conformity

Test Certificates

Confirmation









Special Test Certificate

Test Certificates other Environment

Type Test Certificates/Test Report

Confirmation

PROFINET-Certification Environmental Confirmations

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=3SU1400-1LK10-3BA1

Cax online generator

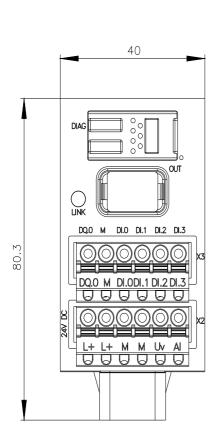
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1LK10-3BA1

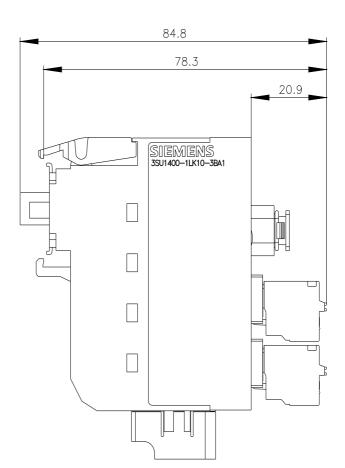
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

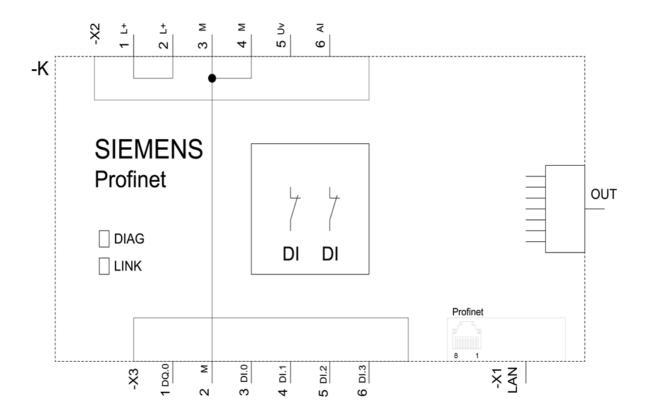
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1LK10-3BA1

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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