SIEMENS

Data sheet

3SU1400-1LK10-1AA1



SIRIUS ACT with PROFINET: standard interface module 24 V DC, screw terminal, front plate mounting 1 to 20 terminal modules connectable $\,$

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 in the TIA Portal required	Integrated in TIA Portal Version 14 SP1 or higher (HSP for V13 and V14)
number of units per rack maximum	20
number of submodules per station maximum	24
power loss [W] typical	0.67 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	100 mA
rated value	28 mA
protection class IP	IP20, clamping screw tightened
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	12/19/2016
operating voltage rated value	20.4 V
l2t value	0.008 A ² ·s
Supply voltage	
supply voltage at DC rated value	24 V
Communication/ Protocol	
protocol is supported	
PROFINET IO protocol	Yes

PROFIsafe protocol	No
product function at the Ethernet interface	
 Autocrossover 	Yes
 Autonegotiation 	Yes
protocol at the 1st interface media redundancy protocol	No
product function at the 1st interface PROFINET IO device	Yes
product function of the PROFINET IO device is	No
supported PROFINET system redundancy	
service as PROFINET IO device	
 prioritized startup 	No
isochronous mode	No
 supports Shared Device 	No
 supports PROFlenergy 	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	V2.3
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	Resilient to network loading
PROFINET	S .
Control circuit/ Control	
inrush current maximum	16 A
Galvanic isolation	
galvanic isolation between PROFINET and all other	Yes
circuits	103
Inputs/ Outputs	
	0
DUMPER OF CICITAL INDUITS	
number of digital inputs	0
safety-related	0
safety-related number of digital outputs	
safety-related number of digital outputs Connections/ Terminals	0
safety-related number of digital outputs Connections/ Terminals type of electrical connection	0
safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary	0
safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts	0 0 screw-type terminals
safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts solid or stranded	0 0 screw-type terminals 0.2 2.5 mm²
safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing	0 0 screw-type terminals
safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing connectable conductor cross-section	0 0 screw-type terminals 0.2 2.5 mm² 2.5 mm²
safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing connectable conductor cross-section solid	0 0 screw-type terminals 0.2 2.5 mm² 2.5 mm²
safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing connectable conductor cross-section solid solid with core end processing	0 0 screw-type terminals 0.2 2.5 mm² 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm²
safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts	0 0 screw-type terminals 0.2 2.5 mm² 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm²
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safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts	0 0 screw-type terminals 0.2 2.5 mm² 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm²
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safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts	0 0 screw-type terminals 0.2 2.5 mm² 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.25 2.5 mm²
safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts	0 0 screw-type terminals 0.2 2.5 mm² 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.5 0.6 N·m
safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts	0 0 screw-type terminals 0.2 2.5 mm² 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm²
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safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts	0 0 screw-type terminals 0.2 2.5 mm² 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 30 12 0.5 0.6 N·m
safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts	0 0 screw-type terminals 0.2 2.5 mm² 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.5 2.5 mm² 0.6 2.5 mm² 20 a
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 safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing connectable conductor cross-section solid solid with core end processing finely stranded with core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section tightening torque with screw-type terminals Safety related data service life maximum design of the interface Ethernet interface Fast Ethernet interface interface design 1 integrated switch 	0 0 screw-type terminals 0.2 2.5 mm² 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.5 2.5 mm² 20 a Yes; for Ethernet services Yes; PROFINET with 100 Mbps
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safety-related number of digital outputs Connections/ Terminals type of electrical connection connectable conductor cross-section for auxiliary contacts	0 0 screw-type terminals 0.2 2.5 mm² 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.2 2.5 mm² 0.3 12 0.5 0.6 N·m 20 a Yes; for Ethernet services Yes; PROFINET with 100 Mbps No Yes 1 1 1

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explosion protection marking for intrinsic safety of

related equipment EEx ia

explosion protection marking for intrinsic safety of

related equipment EEx ib

condensation in operation permitted)

No

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

General Product Approval

Declaration of Conformity

Test Certificates

Confirmation









Special Test Certific-<u>ate</u>

Test Certificates

other

Type Test Certificates/Test Report

Environmental Confirmations

Confirmation

PROFIsafe-Certific-<u>ation</u>

PROFINET-Certific-<u>ation</u>

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=3SU1400-1LK10-1AA1

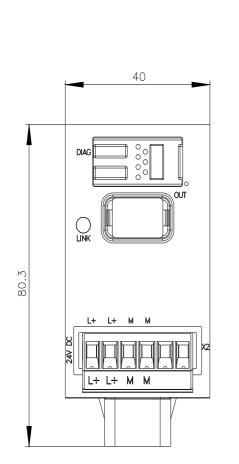
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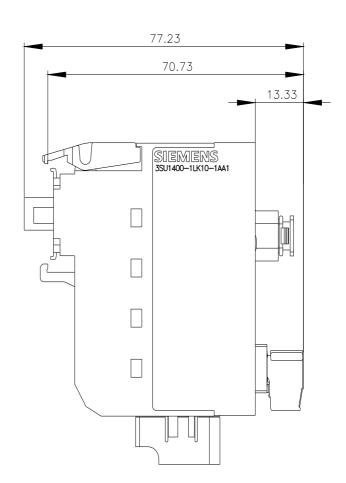
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1LK10-1AA1

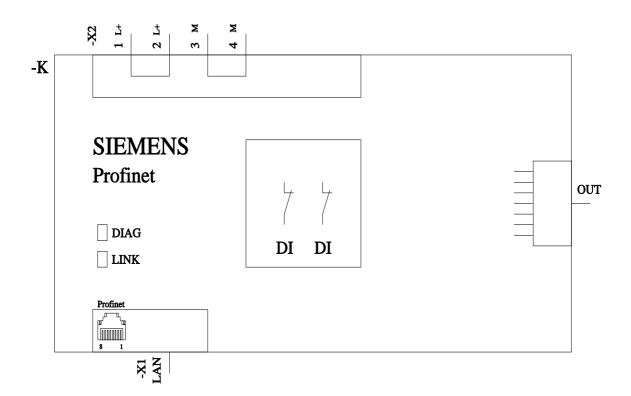
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1LK10-1AA1

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1LK10-1AA1&lang=en







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