



Figure similar

SIRIUS ACT with PROFINET: standard interface module with extended inputs and outputs 24 V DC, screw 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	
<ul style="list-style-type: none"> for diagnostic function: Supply voltage monitoring power LED 	Yes
<ul style="list-style-type: none"> status Tx/Rx link 	Yes
General technical data	
product function	
<ul style="list-style-type: none"> reverse polarity protection 	Yes
<ul style="list-style-type: none"> diagnostics function 	Yes
<ul style="list-style-type: none"> alarms 	Yes
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> of the operating voltage 	DC
<ul style="list-style-type: none"> of the input voltage 	DC
surge voltage resistance rated value	0.8 kV
consumed current	
<ul style="list-style-type: none"> maximum 	100 mA
<ul style="list-style-type: none"> 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
I2t value	0.008 A ² ·s
Supply voltage	
supply voltage at DC rated value	24 V
Communication/ Protocol	
protocol is supported	

<ul style="list-style-type: none"> • PROFINET IO protocol • PROFI-safe protocol 	Yes
product function at the Ethernet interface	No
<ul style="list-style-type: none"> • Autocrossover • Autonegotiation 	Yes
protocol at the 1st interface media redundancy protocol	Yes
product function at the 1st interface PROFINET IO device	No
product function of the PROFINET IO device is supported PROFINET system redundancy service as PROFINET IO device	No
<ul style="list-style-type: none"> • prioritized startup • isochronous mode • supports Shared Device • supports PROFIenergy • IRT • MRP • MRPD 	No
service for open IE communication	No
<ul style="list-style-type: none"> • LLDP • SNMP • TCP/IP 	Yes
GSD version/revision with PROFINET required	Yes
transmission mode for Industrial Ethernet	Yes
network load class according to PROFINET	Yes
specification for Security Level 1 test according to PROFINET	V2.3
	PROFINET with 100 Mbps full duplex (100BASE-TX)
	1
	Resilient to network loading
Control circuit/ Control	
inrush current maximum	16 A
Galvanic isolation	
galvanic isolation between PROFINET and all other circuits	Yes
Inputs/ Outputs	
number of digital inputs	4
<ul style="list-style-type: none"> • safety-related 	0
number of analog inputs	1
number of digital outputs	0
Connections/ Terminals	
type of electrical connection	screw-type terminals
connectable conductor cross-section for auxiliary contacts	
<ul style="list-style-type: none"> • solid or stranded • finely stranded with core end processing 	0.2 ... 2.5 mm ²
	2.5 mm ²
connectable conductor cross-section	
<ul style="list-style-type: none"> • solid • solid with core end processing • finely stranded with core end processing • finely stranded without core end processing 	0.2 ... 2.5 mm ²
	0.2 ... 2.5 mm ²
	0.25 ... 2.5 mm ²
	0.2 ... 2.5 mm ²
AWG number as coded connectable conductor cross section	30 ... 12
tightening torque with screw-type terminals	0.5 ... 0.6 N·m
Safety related data	
service life maximum	20 a
design of the interface	
<ul style="list-style-type: none"> • Ethernet interface • Fast Ethernet interface 	Yes; for Ethernet services
	Yes; PROFINET with 100 Mbps
interface design 1	
<ul style="list-style-type: none"> • integrated switch • RJ45 (Ethernet) 	No
	Yes
number of ports at the 1st interface	1
number of interfaces according to PROFINET	1
Ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation 	-25 ... +60 °C

- during storage

environmental category during operation according to IEC 60721

explosion protection marking for intrinsic safety of related equipment EEx ia

explosion protection marking for intrinsic safety of related equipment EEx ib

-40 ... +80 °C

3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95%, no 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 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=3SU1400-1LK10-1BA1>

Cax online generator

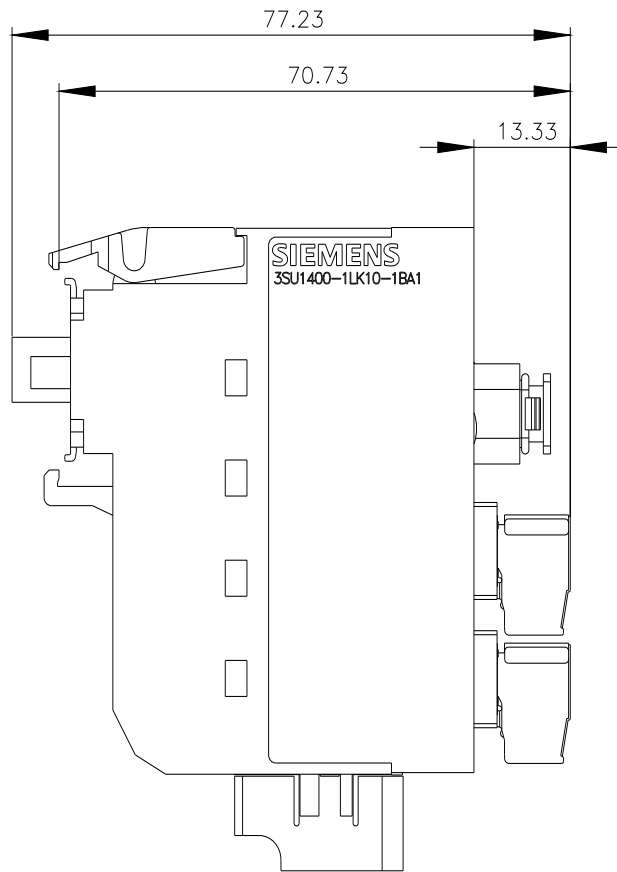
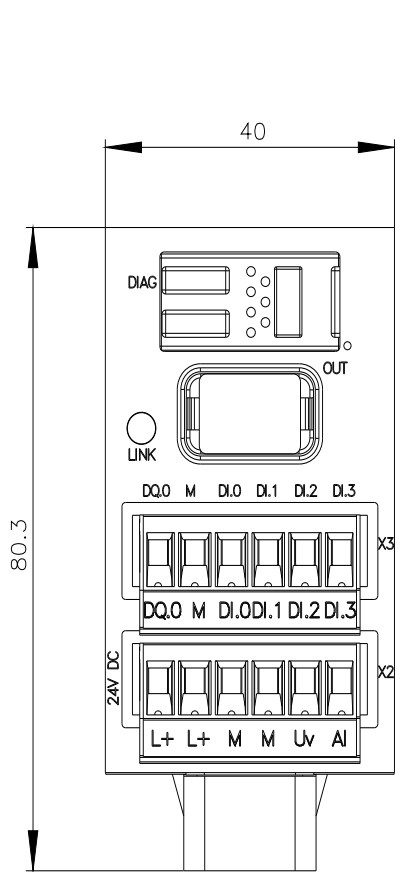
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1LK10-1BA1>

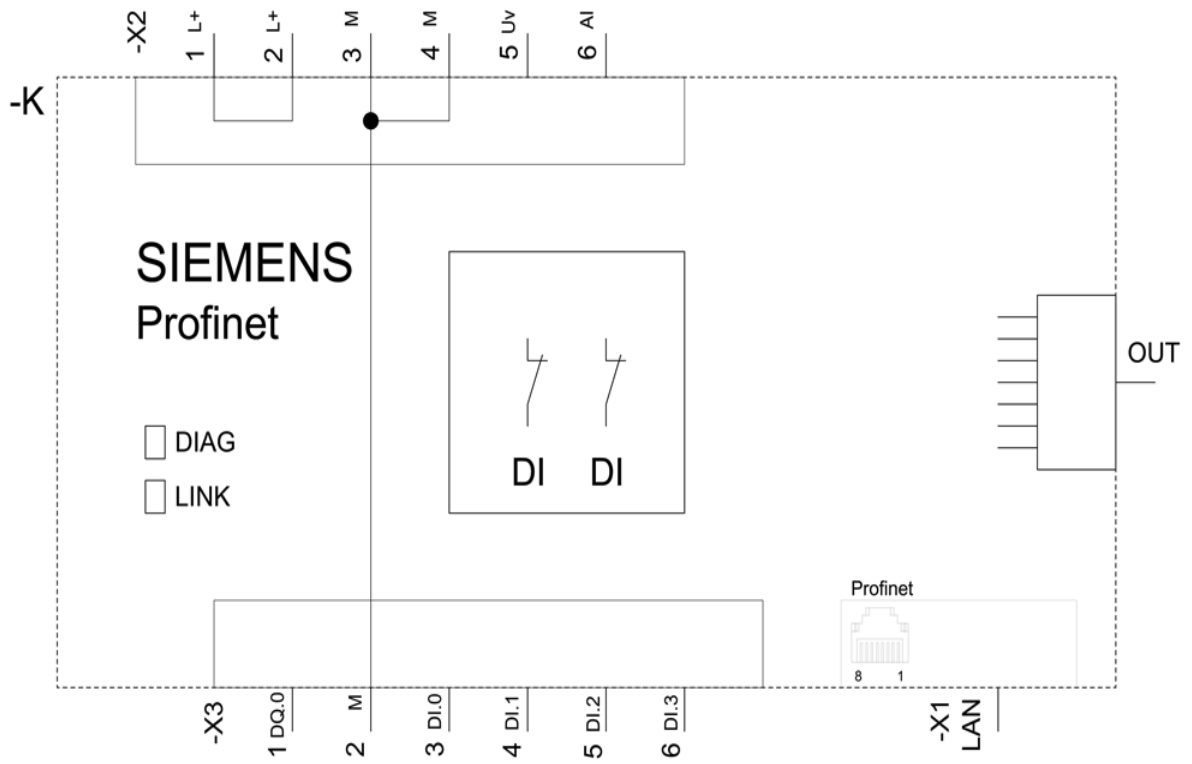
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1LK10-1BA1&lang=en





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