3SU1400-1LK10-3AA1

Data sheet



SIRIUS ACT with PROFINET: standard interface module 24 V DC, spring-loaded 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	2.1.4		
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		
shock resistance			
 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms		
 for railway applications according to EN 61373 	Category 1, Class B		
vibration resistance			
• according to IEC 60068-2-6	10 500 Hz: 5g		
 for railway applications according to EN 61373 	Category 1, Class B		
reference code according to IEC 81346-2	К		
Substance Prohibitance (Date)	12/19/2016		
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8		

	0.00 1.14 4 11 11 11 12 13 14 15 15 15 15 15 15 15		
	2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7		
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			
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 supported PROFINET system redundancy	No		
service as PROFINET IO device			
 prioritized startup 	No		
• isochronous mode	No		
supports Shared Device	No 		
supports PROFlenergy	No		
• IRT	No No		
• MRP	No No		
• MRPD	No		
service for open IE communication	Voc		
LLDP SNMP	Yes Yes		
TCP/IP	Yes		
	V2.34		
GSD version/revision with PROFINET required 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	. to among to realist to dailing		
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	0		
safety-related	0		
number of digital outputs	0		
Connections/ Terminals			
type of electrical connection	spring-loaded terminals		
connectable conductor cross-section for auxiliary contacts			
• solid or stranded	0.2 2.5 mm ²		
finely stranded with core end processing	2.5 mm ²		
connectable conductor cross-section			
• solid	0.2 2.5 mm ²		
solid with core end processing	0.2 2.5 mm ²		
finely stranded with core end processing	0.25 2.5 mm ²		
• finely stranded without core end processing AWC number as goded connectable conductor process.	0.2 2.5 mm ²		
AWG number as coded connectable conductor cross section	30 12		
Safety related data			
service life maximum	20 a		
Interfaces			
design of the interface			
• Ethernet interface	Yes; for Ethernet services		
• Fast Ethernet interface	Yes; PROFINET with 100 Mbps		
interface design 1			

integrated switch	No		
RJ45 (Ethernet)	Yes		
number of ports at the 1st interface	1		
number of interfaces according to PROFINET	1		
Ambient conditions			
ambient temperature			
during operation	-25 +60 °C		
during storage	-40 +80 °C		
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted)		
explosion protection marking for intrinsic safety of related equipment EEx ia	No		
explosion protection marking for intrinsic safety of related equipment EEx ib	No		
Environmental footprint			
Environmental Product Declaration(EPD)	Yes		
Global Warming Potential [CO2 eq] total	0.787 kg		
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg		
Global Warming Potential [CO2 eq] during operation	0.235 kg		
global warming potential [CO2 eq] after end of life	-0.015 kg		
Installation/ mounting/ dimensions			
fastening method of modules and accessories	Front plate mounting		
height	80.1 mm		
width	40 mm		
depth	72.1 mm		
Approvals Certificates			
General Product Approval	Declaration of Conformity	Test Certificates	

Confirmation









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

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=3SU1400-1LK10-3AA1

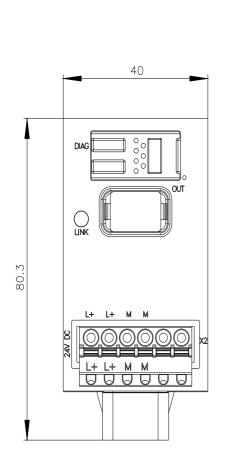
Cax online generator

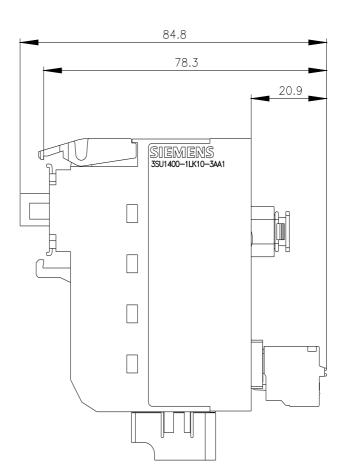
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1LK10-3AA1

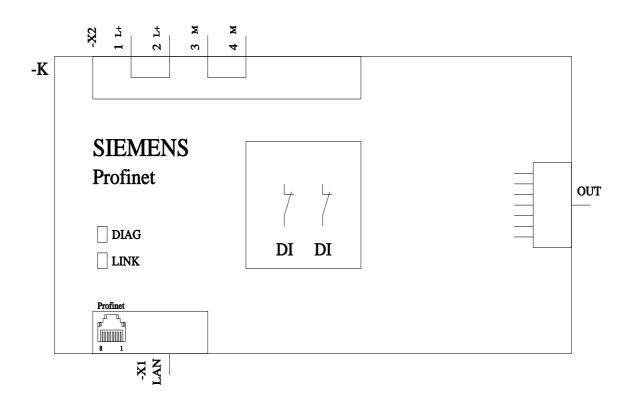
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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

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







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