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	2.1.4	
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, clamping screw tightened	
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	K	
Substance Prohibitance (Date)	12/19/2016	
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8	

	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 minimum	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	
• MRP	No	
• MRPD	No	
service for open IE communication		
• LLDP	Yes	
• SNMP	Yes	
• TCP/IP	Yes	
GSD version/revision with PROFINET required	V2.34	
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 PROFINET	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	0	
number of digital inputs safety-related	0	
number of digital outputs	0	
Connections/ Terminals		
type of electrical connection	screw-type terminals	
connectable conductor cross-section for auxiliary contacts		
solid or stranded	0.2 2.5 mm ²	
finely stranded with core end processing maximum	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	0.2 2.5 mm²	
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		
product function suitable for safety function	No	
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	
Siemens Eco Profile (SEP)	Siemens EcoTech	
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







Special Test Certificate

Test Certificates

Type Test Certificates/Test Report

other	Environment	Industrial Communication

Confirmation

EPD Typ II/III (with life cylce assessment)

PROFINET

Further information

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=3SU1400-1LK10-1AA1

Cax online generator

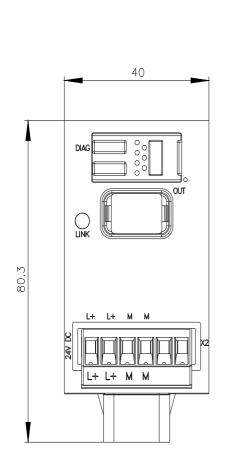
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1400-1LK10-1AA1}$

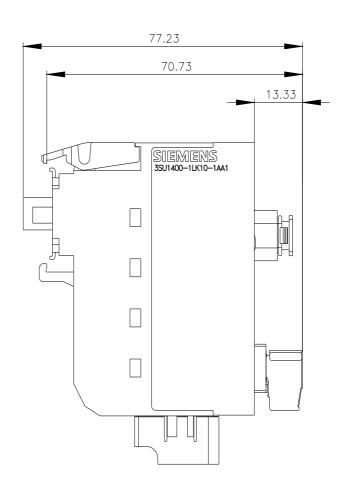
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

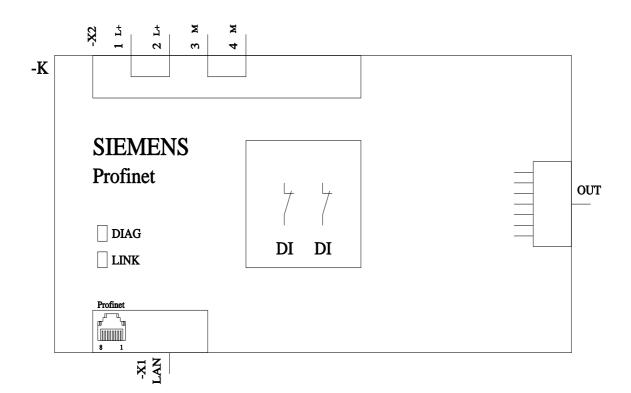
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1LK10-1AA1

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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