SIEMENS

Data sheet

3SU1400-1LK10-3AA1





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	K
Substance Prohibitance (Date)	12/19/2016
SVHC substance name	Lead - 7439-92-1
	Lead monoxide (lead oxide) - 1317-36-8
	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5
Weight	120 g
operating voltage rated value minimum	20.4 V
12t value	0.008 A²·s
Supply voltage	24 V
supply voltage at DC rated value Communication/ Protocol	24 V
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 specification for Security Level 1 test according to PROFINET	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	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 mm²
 finely stranded with core end processing maximum 	2.5 mm²
connectable conductor cross-section	
• solid	0.2 2.5 mm²
 solid with core end processing 	0.2 2.5 mm²
 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
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				
mbient 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				
nvironmental 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				
nstallation/ mounting/ dimensions					
fastening method of modules and accessories	Front plate mounting				
height	80.1 mm				
width	40 mm				
depth	72.1 mm				
pprovals Certificates					
		Test Certificates			

Confirmation







Siemens EcoTech



Type Test Certificates/Test Report

Test Certificates	other	Environment		Industrial Commu- nication
Special Test Certific- ate	Confirmation		Environmental Confirmations	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=3SU1400-1LK10-3AA1

Cax online generator

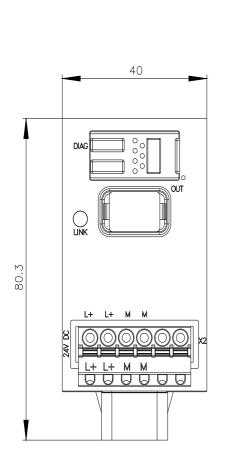
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1LK10-3AA1

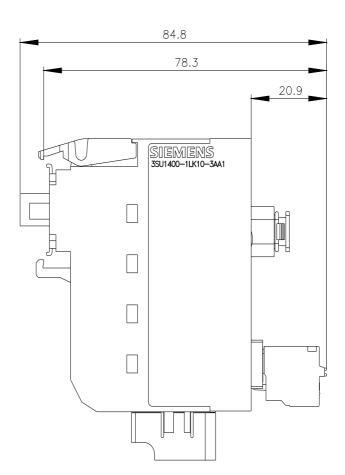
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

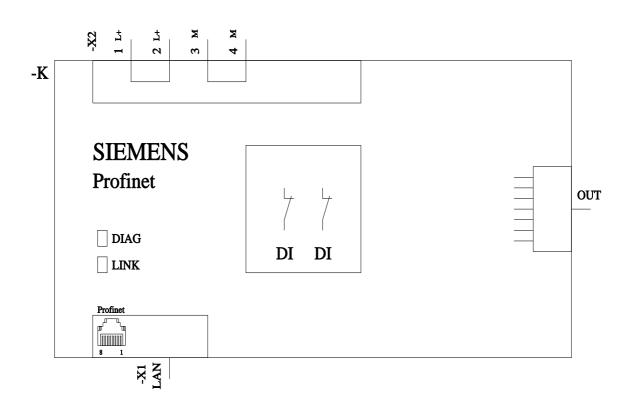
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1LK10-3AA1

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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