



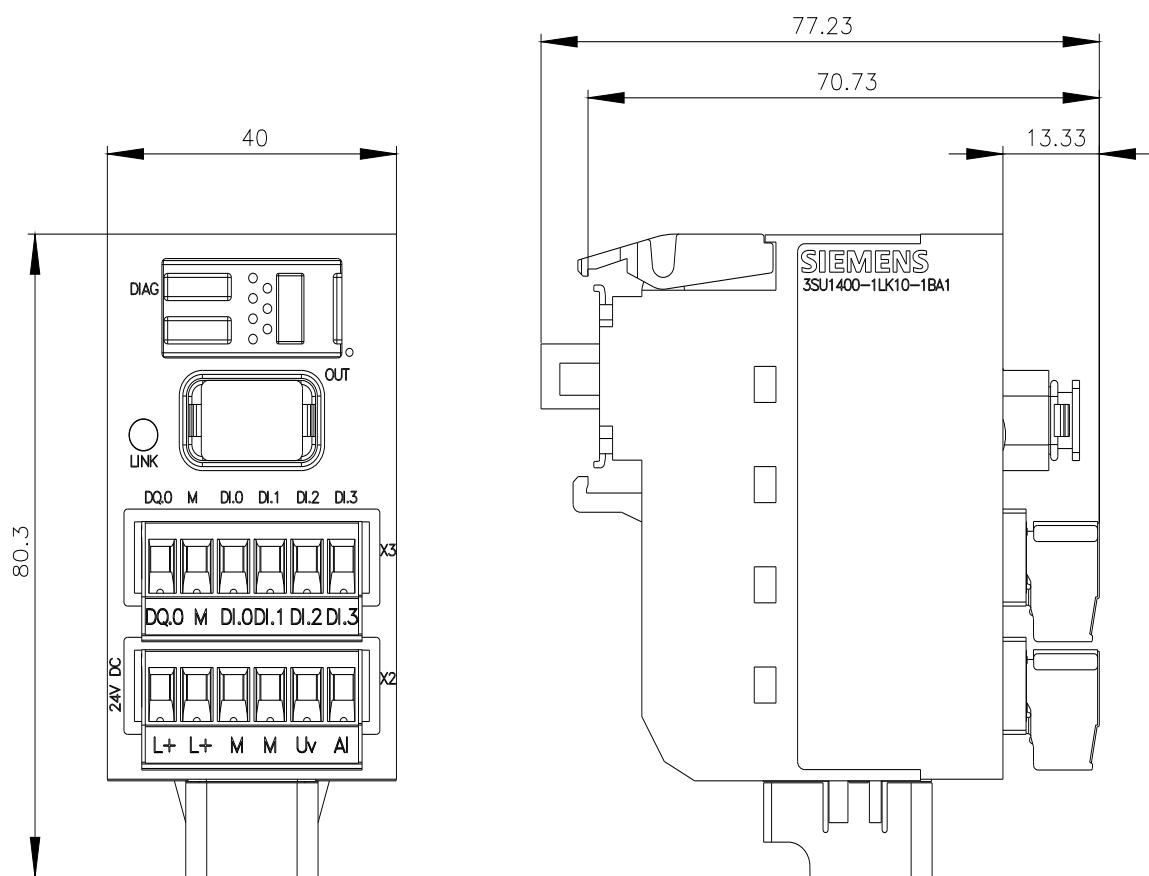
Figure similar

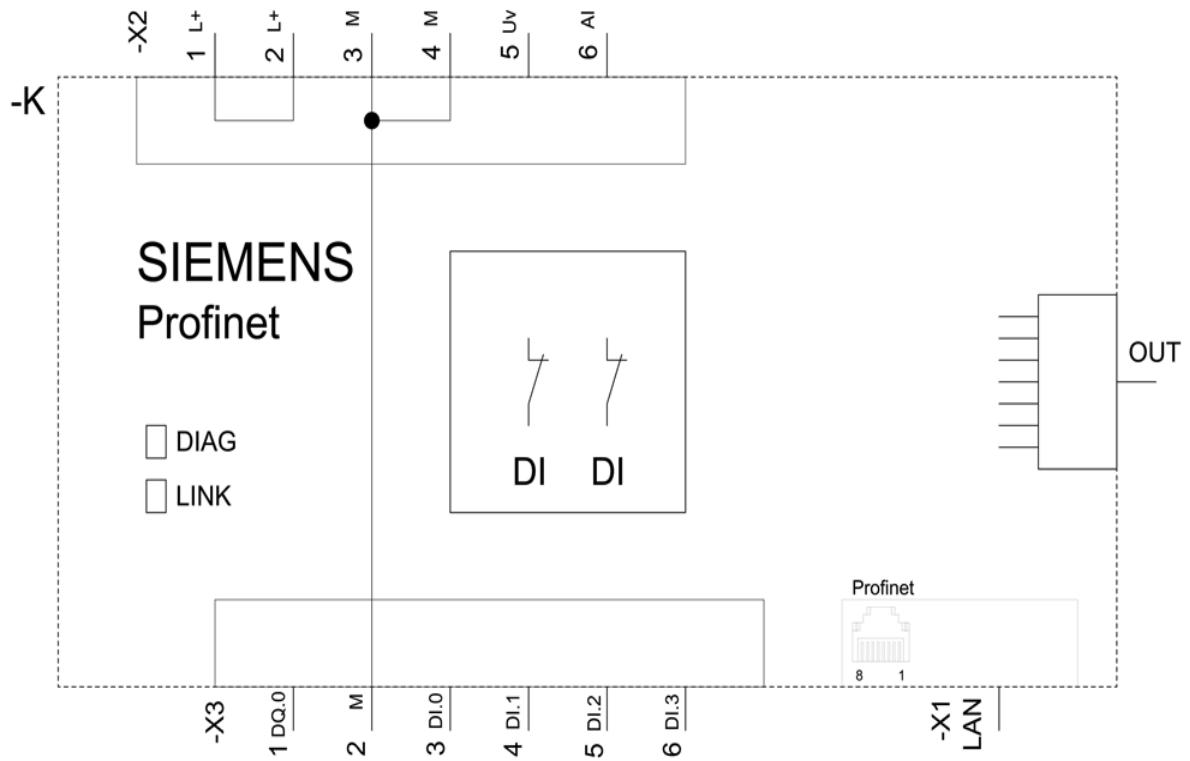
SIRIUS ACT with PROFINET: standard interface module with extended inputs and outputs 24 V DC, screw terminal, front plate mounting, 1 to 20 terminal modules connectable, with additional 1 DQ + 4 DI + 1 AI

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 status Tx/Rx link 	
	Yes	
	Yes	
General technical data		
product function	<ul style="list-style-type: none"> reverse polarity protection diagnostics function alarms I&M data 	
	Yes	
	Yes	
	Yes	
	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	<ul style="list-style-type: none"> of the operating voltage of the input voltage 	
	DC	
	DC	
surge voltage resistance rated value	0.8 kV	
consumed current	<ul style="list-style-type: none"> maximum rated value 	
	100 mA	
	28 mA	
protection class IP	IP20, clamping screw tightened	
shock resistance	<ul style="list-style-type: none"> according to IEC 60068-2-27 for railway applications according to EN 61373 	
	sinusoidal half-wave 15g / 11 ms	
	Category 1, Class B	
vibration resistance	<ul style="list-style-type: none"> according to IEC 60068-2-6 for railway applications according to EN 61373 	
	10 ... 500 Hz: 5g	
	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
I_{2t} 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	4
 • number of digital inputs 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	
• 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 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	
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					
 EG-Konf.		Confirmation			Special Test Certificate
Test Certificates	other	Environment	Industrial Communication		
Type Test Certificates/Test Report	Confirmation	EPD Typ II/III (with life cycle 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=3SU1400-1LK10-1BA1					
Cax online generator					
http://support.automation.siemens.com/WW/CAOrder/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					





last modified:

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