SIEMENS

Data sheet   **3SU1401-1BB00-3AA2**

Figure similar

LED module with integrated LED 24 V AC/DC, amber, Spring-loaded terminal, for front plate mounting, ATEX Zone 1-2: Intrinsic safety

product brand name	SIRIUS ACT
product designation	LED module
product type designation	3SU1
General technical data	
product component	
● diode	Yes
● lamp transformer	No
● light source	Yes
● series resistor	No
insulation voltage rated value	320 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC
● for actuation	AC/DC
surge voltage resistance rated value	4 kV
consumed current maximum	20 mA
protection class IP	
● of the enclosure	IP30
● of the terminal	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
operating period typical	100 000 h
reference code according to IEC 81346-2	P
Substance Prohibitance (Date)	10/01/2014
SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8
operating voltage 1	
● at AC	
— at 50 Hz rated value	24 V
— at 60 Hz rated value	24 V
● at DC rated value	24 V
Control circuit/ Control	
inrush current maximum	2 A
Connections/ Terminals	
type of electrical connection	spring-loaded terminals
type of connectable conductor cross-sections	
● solid without core end processing	2x (0.25 ... 1.5 mm²)

● finely stranded with core end processing	2x (0.25 ... 0.75 mm²)
● finely stranded without core end processing	2x (0.25 ... 1.5 mm²)
● for AWG cables	2x (24 ... 16)
connectable conductor cross-section finely stranded with core end processing	0.25 ... 0.75 mm²

Lamp	
type of light source	LED
color of the light source	amber
light intensity	450 ... 1 120 mcd
certificate of suitability	
● ATEX	Yes; BVS 18 ATEX E 030 (IEC 60079-0:2017-12 Edition 7.0; EN 60079-11:2012; ATEX-product guideline 2014/34/EU)
● IECEx	Yes; IECEx BVS 18.0023 (IEC 60079-11:2011-06 Edition 6.0; IEC 60079-0:2017-12 Edition 7.0)
● for gas explosion protection for zone 1/2	Yes
explosion device group and category according to ATEX	II C
Ex-Marking according to ATEX	II 2G Ex ib IIC T4 Gb
equipment protection level (EPL) according to ATEX	Gb
maximum input voltage (Ui)	
● at AC	28.8 V
● at DC	28.8 V
type of protection according to ATEX	Ex ib

Ambient conditions	
ambient temperature	
● during operation	-25 ... +70 °C
● during storage	-40 ... +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

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	36 mm
width	9.8 mm
depth	29.4 mm

Approvals Certificates		
General Product Approval	**For use in hazardous locations**	**Declaration of Conformity**
Confirmation UL EAC	IECEx IECEx Ex ATEX	CE EG-Konf.

Declaration of Conformity	**Test Certificates**		**Marine / Shipping**		
UKCA	Type Test Certificates/Test Report	Special Test Certificate	ABS	Lloyd's Register LRS	PRS

Marine / Shipping	**other**	**Environment**

11/24/2023

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=3SU1401-1BB00-3AA2
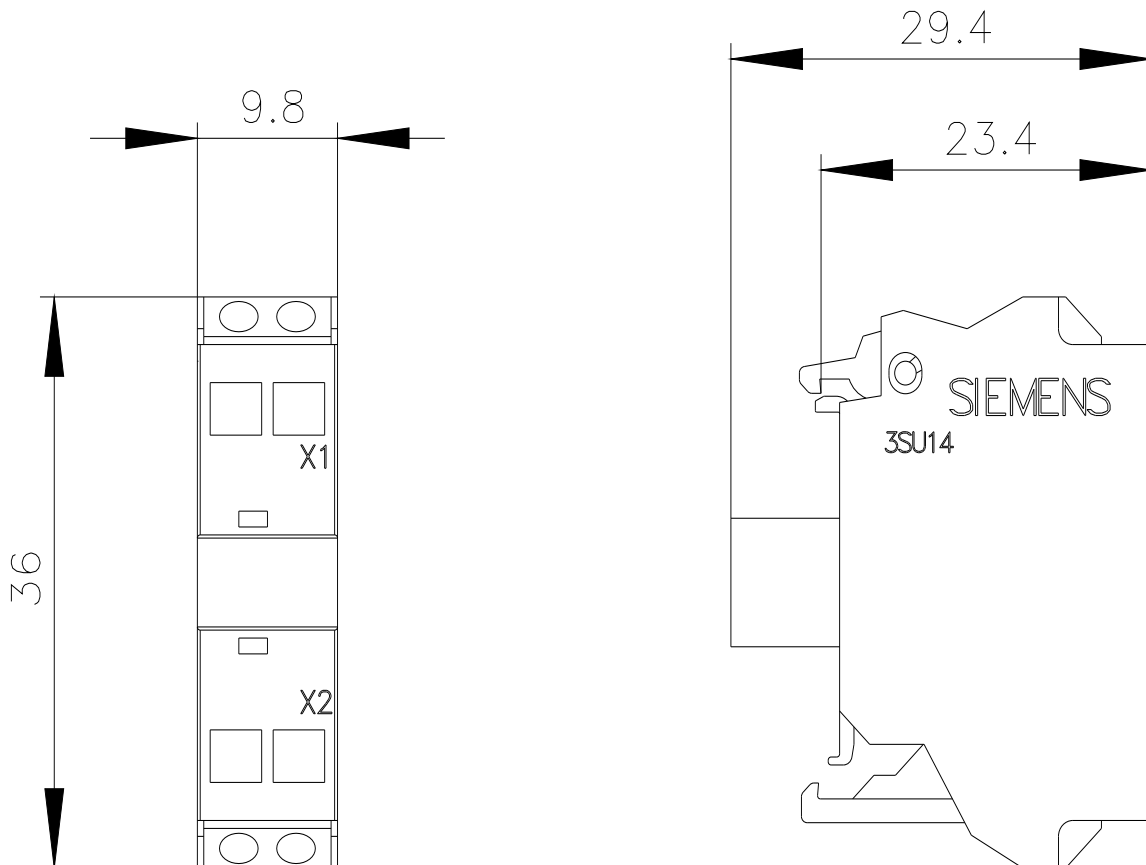
Cax online generator
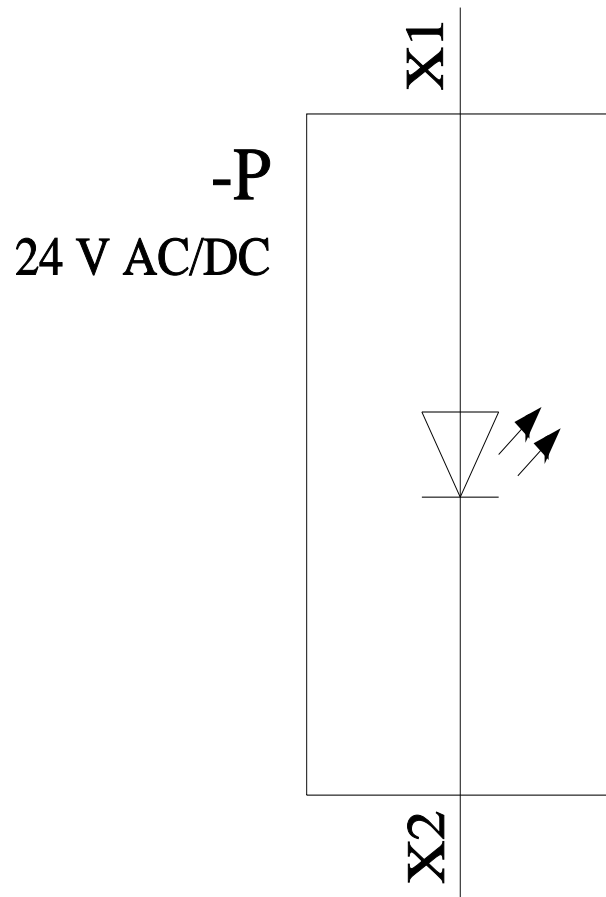http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB00-3AA2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB00-3AA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB00-3AA2&lang=en

-P

24 V AC/DC

X1

X2

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