

LED module with integrated LED 24 V AC/DC, white, screw 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
• .	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	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Operating period typical	100 000 h
Reference code acc. to DIN EN 81346-2	P
Reference code acc. to DIN EN 61346-2	P
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	screw-type terminals
Type of connectable conductor cross-sections	
• solid with core end processing	2x (0.5 ... 0.75 mm ²)
• solid without core end processing	2x (1.0 ... 1.5 mm ²)
• finely stranded with core end processing	2x (0.5 ... 1.5 mm ²)
• finely stranded without core end processing	2x (1,0 ... 1,5 mm ²)
• at AWG conductors	2x (18 ... 14)
Tightening torque	
• with screw-type terminals	0.8 ... 0.9 N·m
Lamp	
Type of light source	LED
Color of the light source	white
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 acc. to ATEX	II C
Ex-Marking acc. to ATEX	II 2G Ex ib IIC T4 Gb
Equipment protection level (EPL) acc. to ATEX	Gb
Maximum input voltage (Ui)	

• at AC	28.8 V
• at DC	28.8 V
Type of protection acc. to ATEX	Ex ib

Ambient conditions

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

Installation/ mounting/ dimensions

Mounting type	
• of modules and accessories	Front plate mounting
Height	33.2 mm
Width	9.8 mm
Depth	29.4 mm

Certificates/ approvals

General Product Approval		EMC	For use in hazardous locations		
					
CSA	UL		RCM	ATEX	IECEX

Declaration of Conformity	Test Certificates	Marine / Shipping
	Miscellaneous Type Test Certificates/Test Report Special Test Certificate	 ABS
EG-Konf.		 LRS

Marine / Shipping	other
	Confirmation
	
	
PRS	
RINA	
RMRS	

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

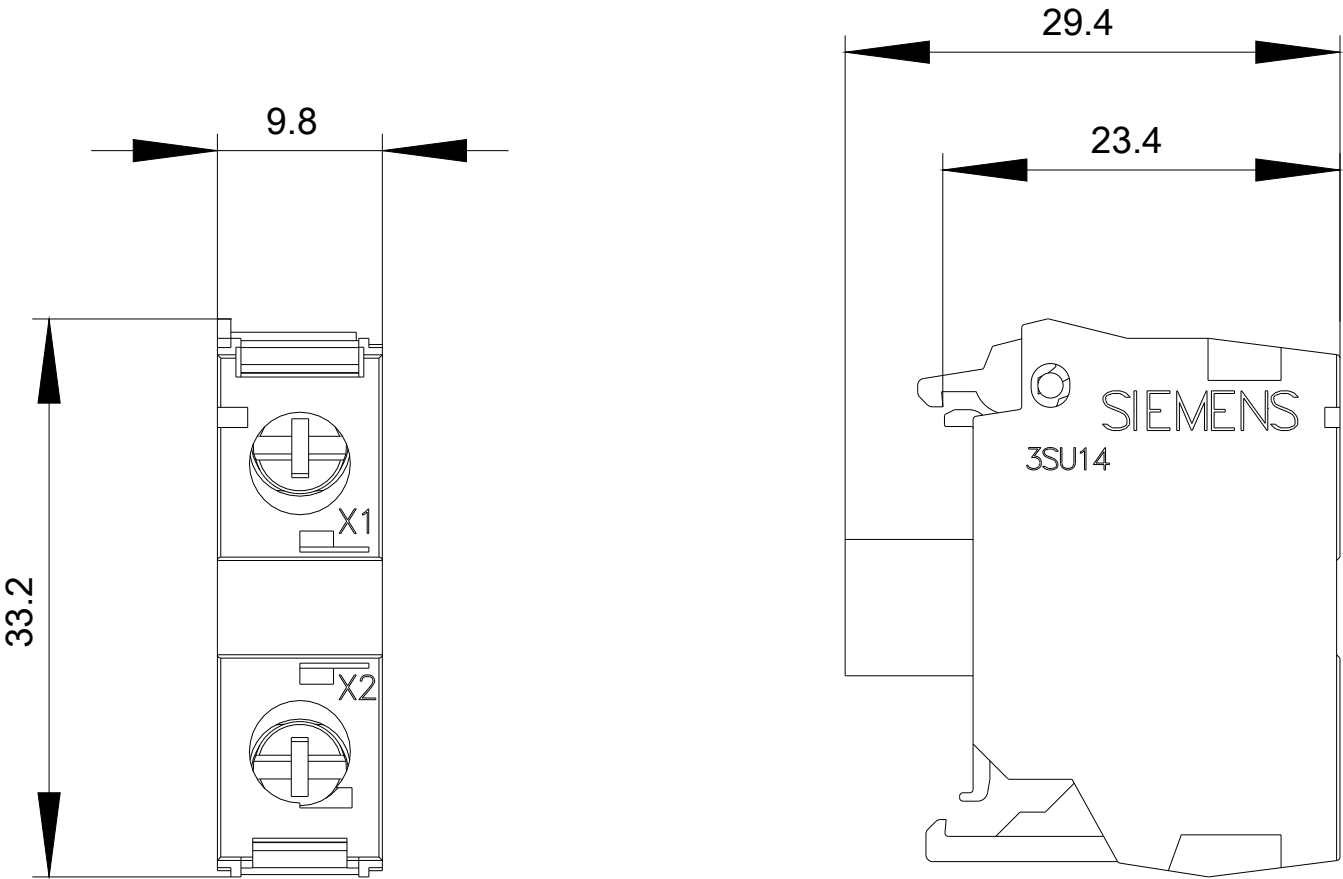
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB60-1AA2>

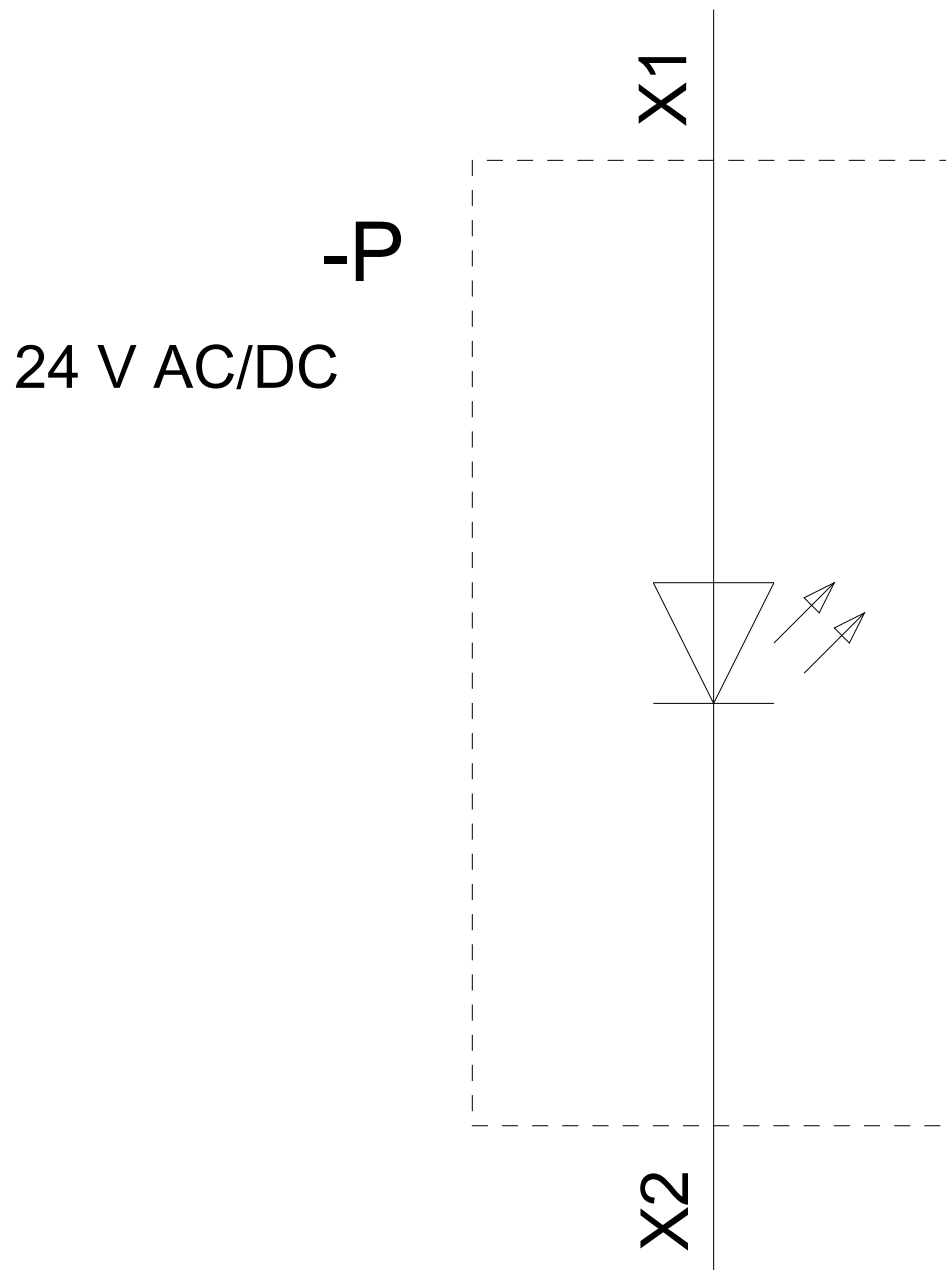
Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB60-1AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB60-1AA2>





last modified:

04/10/2020