

LED MODULE WITH INTEGRATED LED 6-24V AC/DC BLUE,  
SCREW TERMINAL, FOR FRONT PLATE MOUNTING



Figure similar

<b>Product brand name</b>	SIRIUS ACT
<b>Product designation</b>	LED module
<b>Product type designation</b>	3SU1

General technical data	
<b>Product component</b>	
• diode	Yes
• lamp transformer	No
• Light source	Yes
• series resistor	No
<b>Insulation voltage</b>	
• rated value	320 V
<b>Degree of pollution</b>	3
<b>Type of voltage</b>	
• of the operating voltage	AC/DC
• for actuation	AC/DC
<b>Surge voltage resistance rated value</b>	4 kV
<b>Consumed current</b>	

<ul style="list-style-type: none"> <li>• maximum</li> </ul>	20 mA
<b>Protection class IP</b>	
<ul style="list-style-type: none"> <li>• of the enclosure</li> </ul>	IP40
<ul style="list-style-type: none"> <li>• of the terminal</li> </ul>	IP20
<b>Shock resistance</b>	
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> </ul>	Sinusoidal half-wave 50 g / 11 ms
<ul style="list-style-type: none"> <li>• for railway applications acc. to DIN EN 61373</li> </ul>	Category 1, Class B
<b>Vibration resistance</b>	
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> </ul>	10 ... 500 Hz: 5g
<ul style="list-style-type: none"> <li>• for railway applications acc. to DIN EN 61373</li> </ul>	Category 1, Class B
<b>Operating period typical</b>	100 000 h
<b>Equipment marking</b>	
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>	P
<ul style="list-style-type: none"> <li>• acc. to DIN EN 81346-2</li> </ul>	P

### Main circuit

<b>Operating voltage</b>	
<ul style="list-style-type: none"> <li>• at AC</li> </ul>	
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> </ul> </li> </ul>	6 ... 24 V
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— at 60 Hz rated value</li> </ul> </li> </ul>	6 ... 24 V
<ul style="list-style-type: none"> <li>• at DC</li> </ul>	
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> </ul>	6 ... 24 V
<b>Relative positive tolerance of the operating voltage</b>	20 %
<b>Relative negative tolerance of the operating voltage</b>	20 %

### Connections/Terminals

<b>Type of electrical connection</b>	screw-type terminals
<b>Type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• solid with core end processing</li> </ul>	2x (0.5 ... 0.75 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• solid without core end processing</li> </ul>	2x (1.0 ... 1.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>	2x (0.5 ... 1.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• finely stranded without core end processing</li> </ul>	2x (1,0 ... 1,5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• at AWG conductors</li> </ul>	2x (18 ... 14)
<b>Tightening torque</b>	
<ul style="list-style-type: none"> <li>• with screw-type terminals</li> </ul>	0.8 ... 0.9 N·m

### Lamp

<b>Type of light source</b>	LED
<b>Color of the light source</b>	blue
<b>Light intensity</b>	280 ... 710 mcd

### Ambient conditions

<b>Ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-25 ... +70 °C

- during storage

-40 ... +80 °C

Environmental category during operation acc. to IEC 60721

3M6, 3S2, 3B2, 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

Declaration of Conformity



CCC



CSA



UL



C-Tick



EG-Konf.

Test Certificates

other

[Declaration of the Compliance with the order](#)

[Special Test Certificate](#)

[Confirmation](#)

### Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BG50-1AA0>

**Cax online generator**

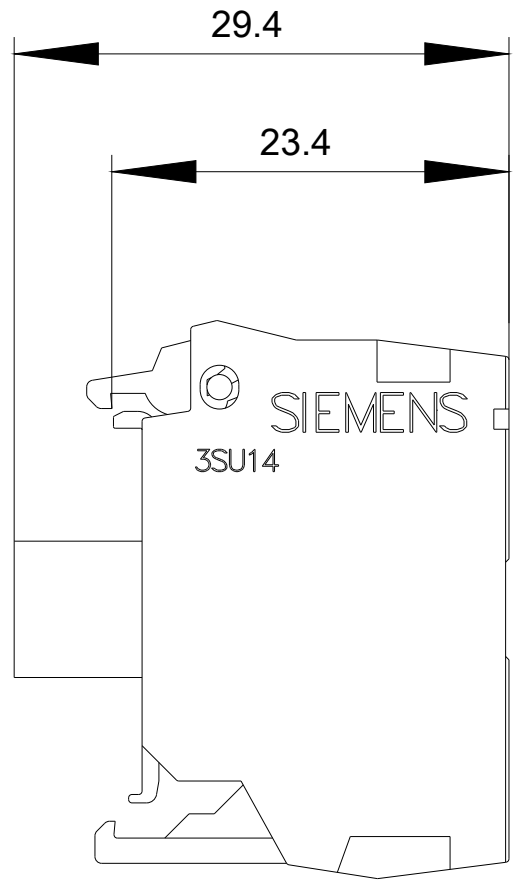
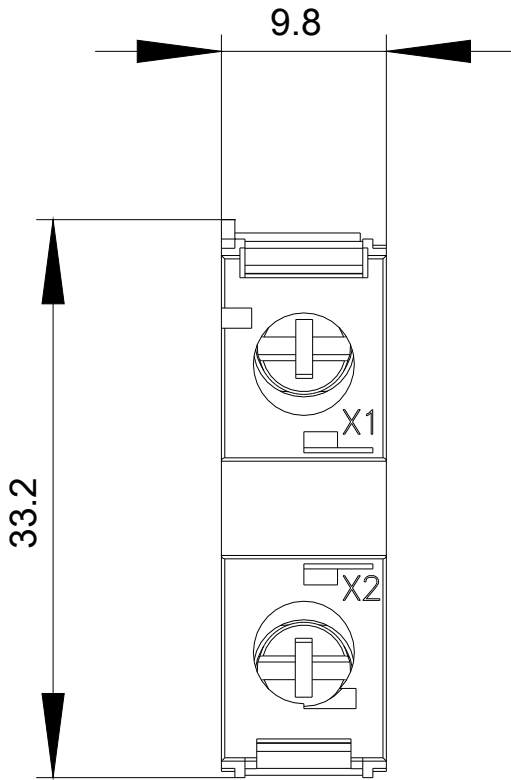
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BG50-1AA0>

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

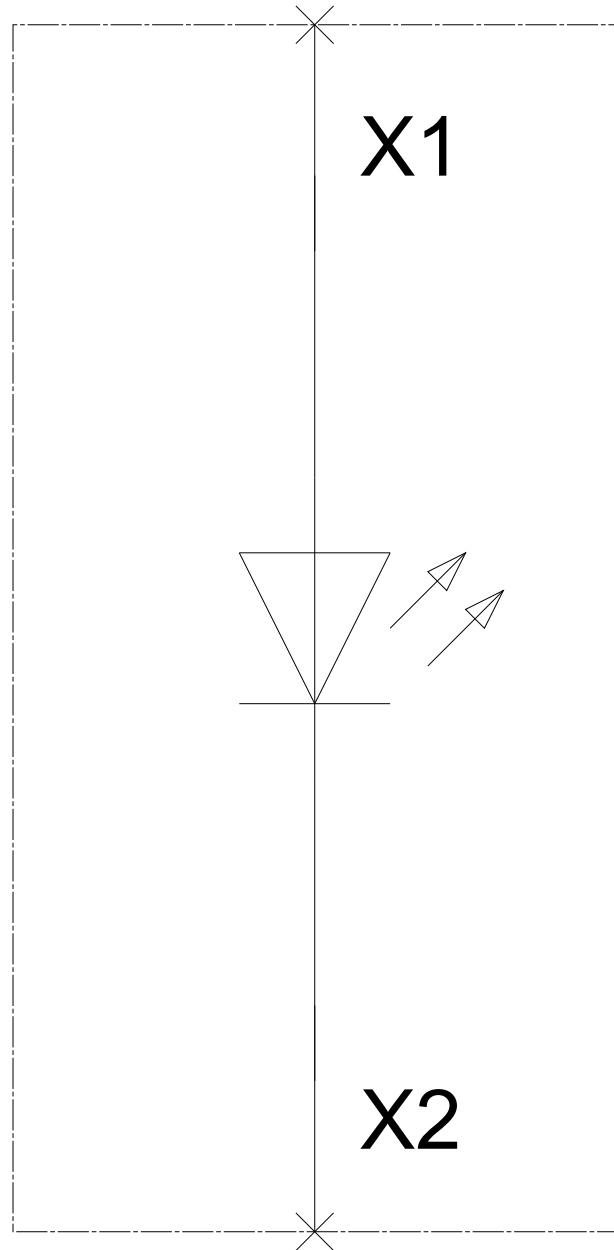
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BG50-1AA0>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BG50-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BG50-1AA0&lang=en)



**-P**  
**6-24 V AC/DC**



last modified:

09/25/2017