

LED module with integrated LED 230 V AC, red, screw terminal, for front plate mounting



Figure similar

Product brand name	SIRIUS ACT
Product designation	LED module
Product type designation	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
• for actuation	AC
<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>Main circuit</b>	
<b>Operating voltage 1</b>	
<ul style="list-style-type: none"> <li>• at AC</li> </ul>	
<ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> </ul>	230 V
<ul style="list-style-type: none"> <li>— at 60 Hz rated value</li> </ul>	230 V
<b>Relative positive tolerance of the operating voltage</b>	20 %
<b>Relative negative tolerance of the operating voltage</b>	20 %

<b>Connections/Terminals</b>	
<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

<b>Lamp</b>	
<b>Type of light source</b>	LED
<b>Color of the light source</b>	red
<b>Light intensity</b>	450 ... 1 120 mcd

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

<b>Installation/ mounting/ dimensions</b>	
<b>Mounting type</b>	

• 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	 EAC	 EG-Konf.
 CSA	 C-Tick	
 UL		

Test Certificates	other
<a href="#">Declaration of the Compliance with the order</a>	<a href="#">Confirmation</a>
<a href="#">Special Test Certificate</a>	

### 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=3SU1401-1BF20-1AA0>

**Cax online generator**

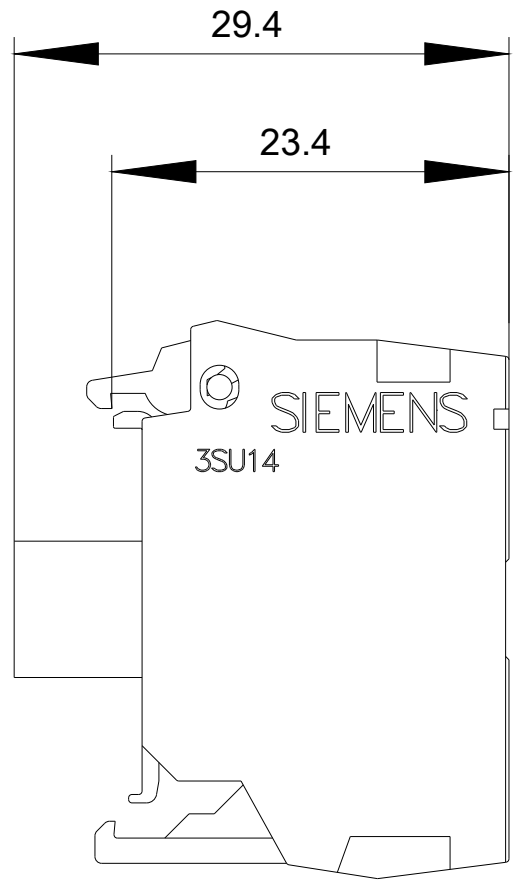
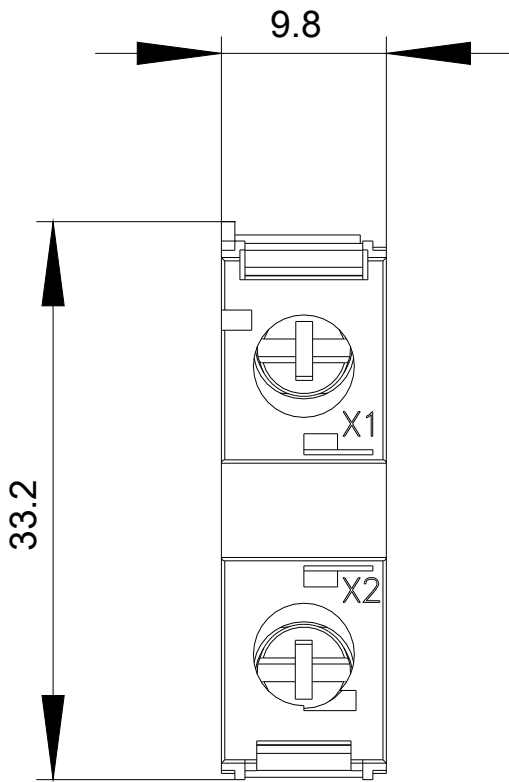
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BF20-1AA0>

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

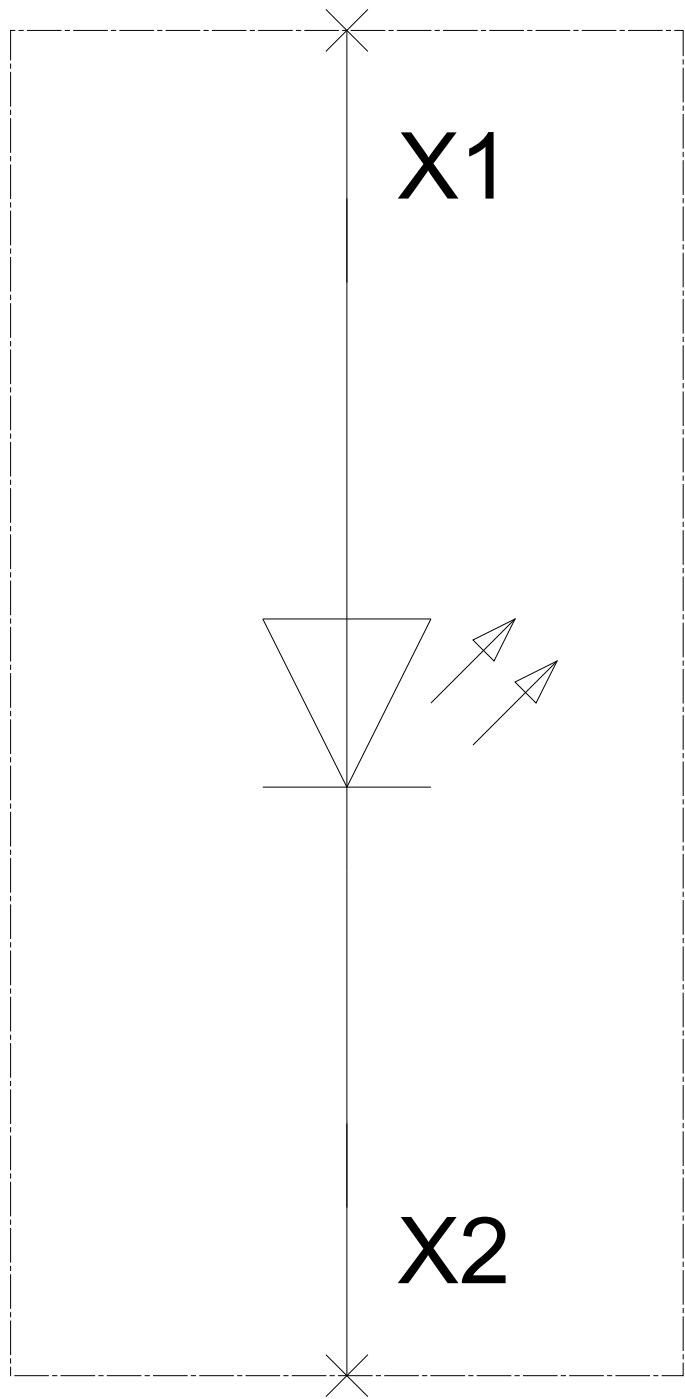
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BF20-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BF20-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BF20-1AA0&lang=en)



**-P**  
**230 V AC**



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01/03/2018