

LED module with integrated LED 24-240 V AC/DC, red, spring-type terminal, for front plate mounting, Z=50-unit packaging



Product brand name	SIRIUS ACT
Product designation	LED module
Product type designation	3SU1

General technical data

<b>Product component</b> <ul style="list-style-type: none"> <li>• diode</li> <li>• lamp transformer</li> <li>• Light source</li> <li>• series resistor</li> </ul>	<p>Yes</p> <p>No</p> <p>Yes</p> <p>No</p>
<b>Insulation voltage</b> <ul style="list-style-type: none"> <li>• rated value</li> </ul>	<p>320 V</p>
<b>Degree of pollution</b>	<p>3</p>
<b>Type of voltage</b> <ul style="list-style-type: none"> <li>• of the operating voltage</li> <li>• for actuation</li> </ul>	<p>AC/DC</p> <p>AC/DC</p>
<b>Surge voltage resistance rated value</b>	<p>4 kV</p>
<b>Consumed current</b> <ul style="list-style-type: none"> <li>• maximum</li> </ul>	<p>20 mA</p>
<b>Protection class IP</b>	

<ul style="list-style-type: none"> <li>• of the enclosure</li> <li>• of the terminal</li> </ul>	IP40 IP20
<b>Shock resistance</b> <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>	Sinusoidal half-wave 50 g / 11 ms Category 1, Class B
<b>Vibration resistance</b> <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>	10 ... 500 Hz: 5g Category 1, Class B
<b>Operating period typical</b>	100 000 h
<b>Reference code acc. to DIN EN 81346-2</b>	P
<b>Reference code acc. to DIN EN 61346-2</b>	P
<b>Operating voltage</b> <ul style="list-style-type: none"> <li>• at AC               <ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> </ul> </li> <li>• at DC               <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> </ul>	24 ... 240 V 24 ... 240 V  24 ... 240 V
<b>Relative positive tolerance of the operating voltage</b>	20 %
<b>Relative negative tolerance of the operating voltage</b>	30 %

#### Control circuit/ Control

<b>Inrush current maximum</b>	3 A
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#### Connections/ Terminals

<b>Type of electrical connection</b>	spring-loaded terminals
<b>Type of connectable conductor cross-sections</b> <ul style="list-style-type: none"> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• at AWG conductors</li> </ul>	2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (0.25 ... 0.75 mm <sup>2</sup> ) 2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (24 ... 16)

#### Lamp

<b>Type of light source</b>	LED
<b>Color of the light source</b>	red
<b>Light intensity</b>	450 ... 1 120 mcd
<b>Certificate of suitability</b> <ul style="list-style-type: none"> <li>• ATEX</li> <li>• IECEx</li> </ul>	No No






#### Ambient conditions

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

<b>Mounting type</b>	Front plate mounting
• of modules and accessories	
<b>Height</b>	36 mm
<b>Width</b>	9.8 mm
<b>Depth</b>	29.4 mm

## Certificates/ approvals

General Product Approval	EMC	Declaration of Conformity	Miscellaneous		
 CCC	 CSA	 EAC	 RCM	 EG-Konf.	<a href="#">Miscellaneous</a>

Test Certificates	Marine / Shipping			
<a href="#">Special Test Certificate</a>	<a href="#">Type Test Certificates/Test Report</a>			
	 ABS	 LRS	 PRS	 RINA

Marine / Shipping	other	
 RMRS	 DNV-GL DNVGL.COM/AF	<a href="#">Confirmation</a>

## 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=3SU1401-1BH20-3AA0-Z X90>

**Cax online generator**

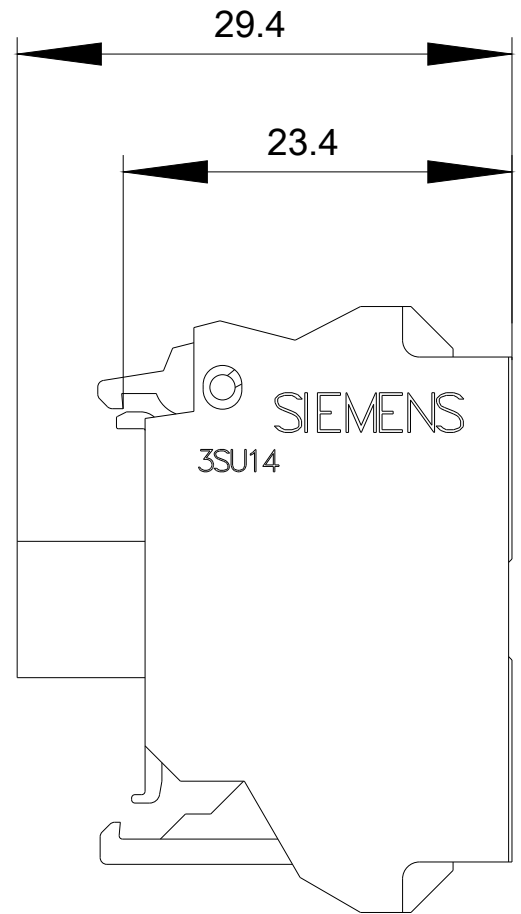
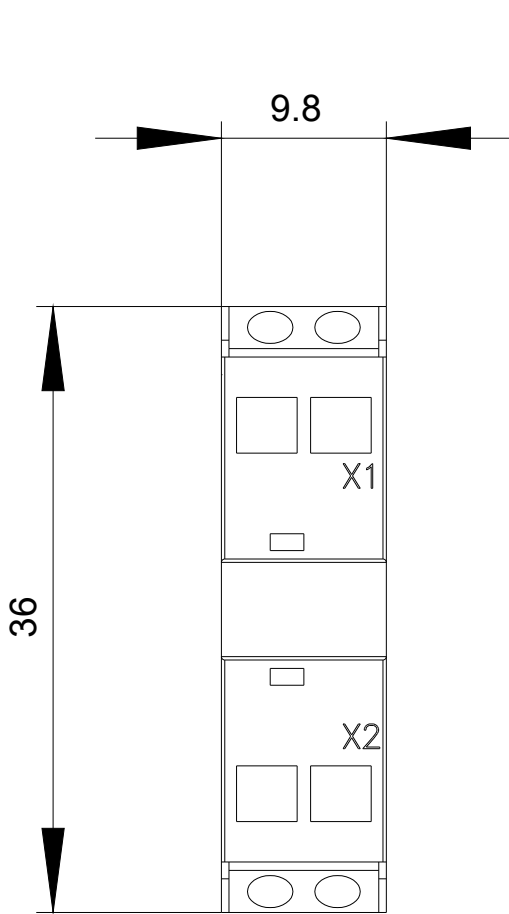
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BH20-3AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BH20-3AA0-Z X90>

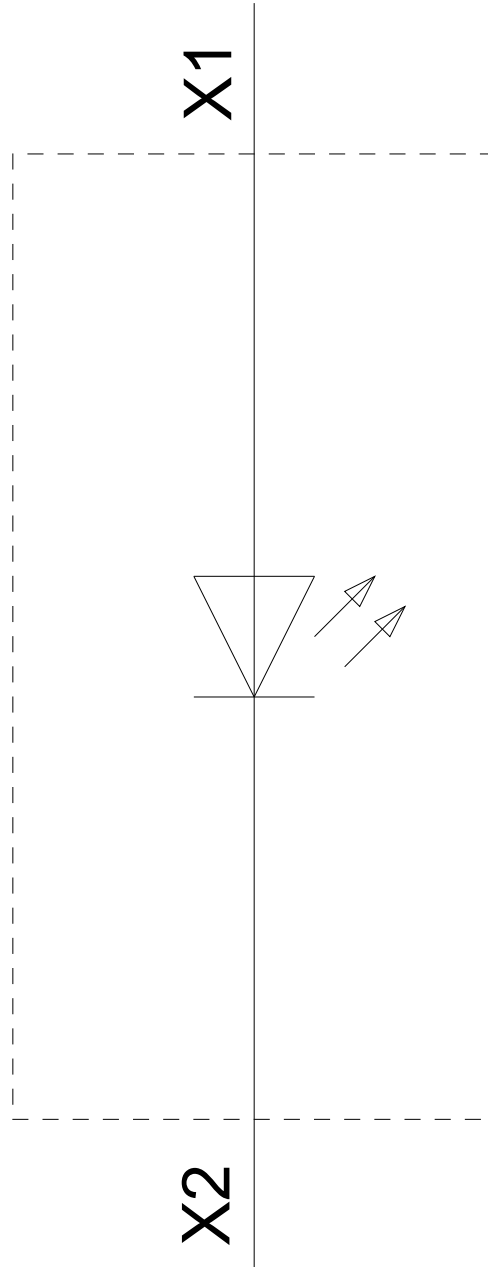
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BH20-3AA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BH20-3AA0-Z X90&lang=en)



24-240 V AC/DC

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