

LED module with integrated LED 6-24V AC/DC yellow, screw terminal, for front plate mounting



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
• Insulation voltage rated value	320 V
<b>Degree of pollution</b>	3
<b>Type of voltage</b>	
• of the operating voltage	AC/DC
• of the operating voltage for actuation	AC/DC
<b>Surge voltage resistance rated value</b>	4 kV
• consumed current maximum	30 mA
• Protection class IP of the enclosure	IP40
• Protection class IP of the terminal	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 50g / 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>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>	6 ... 24 V 6 ... 24 V 6 ... 24 V
<b>Relative positive tolerance of the operating voltage</b>	20 %
<b>Relative negative tolerance of the operating voltage</b>	20 %

#### Control circuit/ Control

<b>Inrush current maximum</b>	2 A
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#### Connections/ Terminals

<ul style="list-style-type: none"> <li>• <b>type of electrical connection</b></li> </ul>	screw-type terminals
<ul style="list-style-type: none"> <li>• Type of connectable conductor cross-sections solid with core end processing</li> </ul>	2x (0.5 ... 0.75 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• Type of connectable conductor cross-sections solid without core end processing</li> </ul>	2x (1.0 ... 1.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• Type of connectable conductor cross-sections finely stranded with core end processing</li> </ul>	2x (0.5 ... 1.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• Type of connectable conductor cross-sections finely stranded without core end processing</li> </ul>	2x (1,0 ... 1,5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• Type of connectable conductor cross-sections 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>	yellow
<b>Light intensity</b>	900 ... 1 400 mcd
<b>Certificate of suitability</b>	
<ul style="list-style-type: none"> <li>• ATEX</li> </ul>	No
<ul style="list-style-type: none"> <li>• IECEx</li> </ul>	No

#### Ambient conditions




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)
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## Installation/ mounting/ dimensions

<b>Mounting type</b>	
<ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>	Front plate mounting
<b>Height</b>	33.2 mm
<b>Width</b>	9.8 mm
<b>Depth</b>	29.4 mm

## Certificates/ approvals

<b>General Product Approval</b>	<b>EMC</b>	<b>Declaration of Conformity</b>
 CCC	 UL	 EG-Konf.
 CSA	 EAC	 RCM

<b>Declaration of Conformity</b>	<b>Test Certificates</b>	<b>Marine / Shipping</b>
<a href="#">Miscellaneous</a>	<a href="#">Special Test Certificate</a>	 ABS
		 LRS
	<a href="#">Type Test Certificates/Test Report</a>	 PRS

<b>Marine / Shipping</b>	<b>other</b>
 RINA	<a href="#">Confirmation</a>
 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?mfb=3SU1401-1BG30-1AA0>

**Cax online generator**

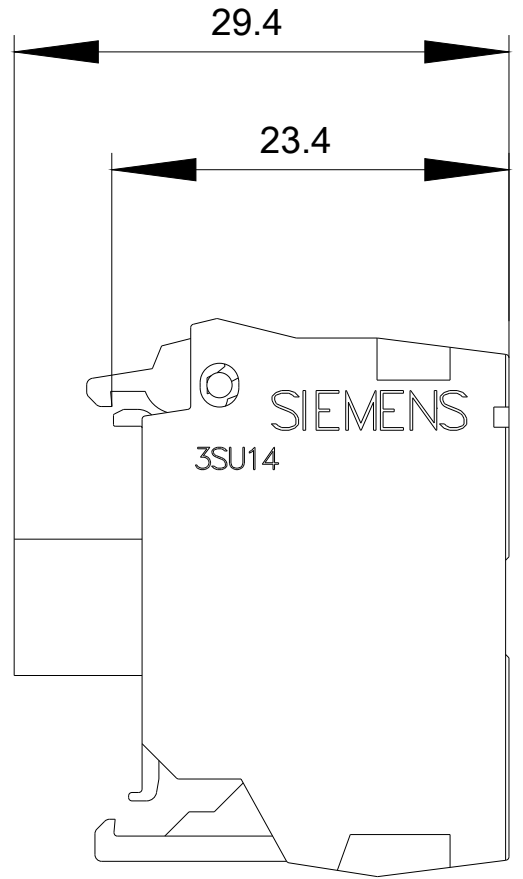
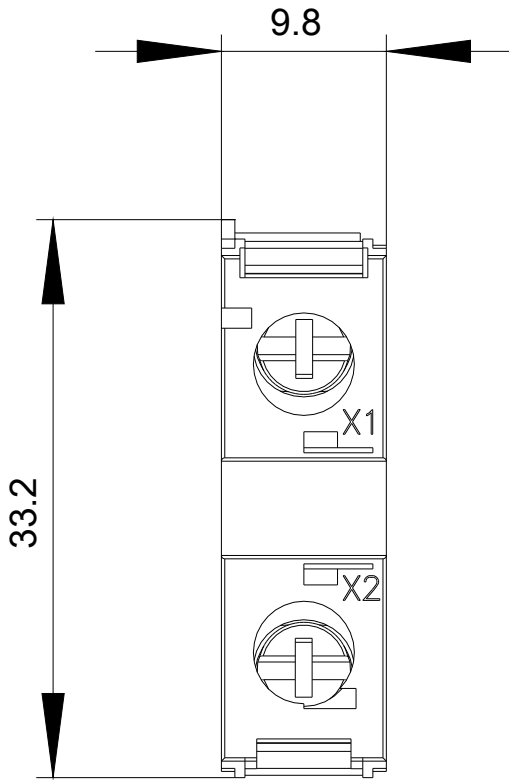
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SU1401-1BG30-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BG30-1AA0>

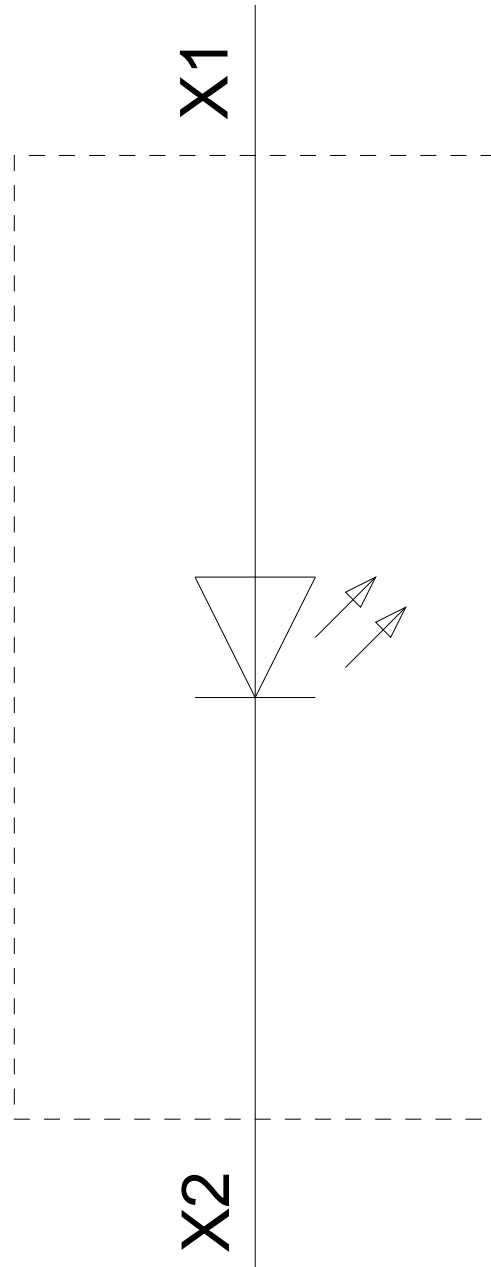
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3SU1401-1BG30-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3SU1401-1BG30-1AA0&lang=en)



6-24 V AC/DC

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08/19/2020