

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



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

General technical data

product component	
<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>
insulation voltage	
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	320 V
degree of pollution	3
type of voltage	
<ul style="list-style-type: none"> <li>• of the operating voltage</li> <li>• of the operating voltage for actuation</li> </ul>	<p>AC</p> <p>AC</p>
surge voltage resistance rated value	4 kV
consumed current	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	20 mA
protection class IP	

<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 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 IEC 81346-2</b>	P
<b>operating voltage 1</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> </ul>	230 V 230 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>	3 A
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#### 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> <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 cables</li> </ul>	2x (0.5 ... 0.75 mm <sup>2</sup> ) 2x (1.0 ... 1.5 mm <sup>2</sup> ) 2x (0.5 ... 1.5 mm <sup>2</sup> ) 2x (1,0 ... 1,5 mm <sup>2</sup> ) 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>	green
<b>light intensity</b>	900 ... 1 400 mcd
<b>certificate of suitability</b> <ul style="list-style-type: none"> <li>• ATEX</li> <li>• IECEX</li> </ul>	No 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>fastening method</b>	
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• of modules and accessories	Front plate mounting
height	33.2 mm
width	9.8 mm
depth	29.4 mm

Certificates/ approvals

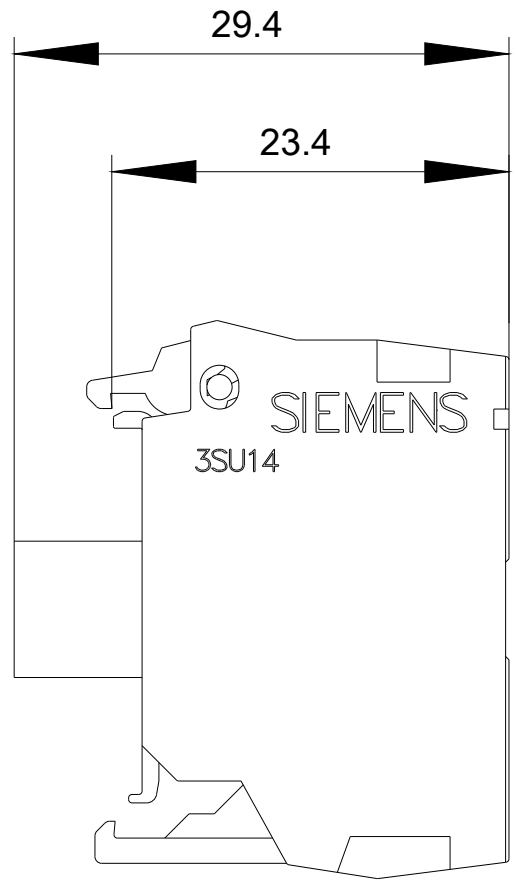
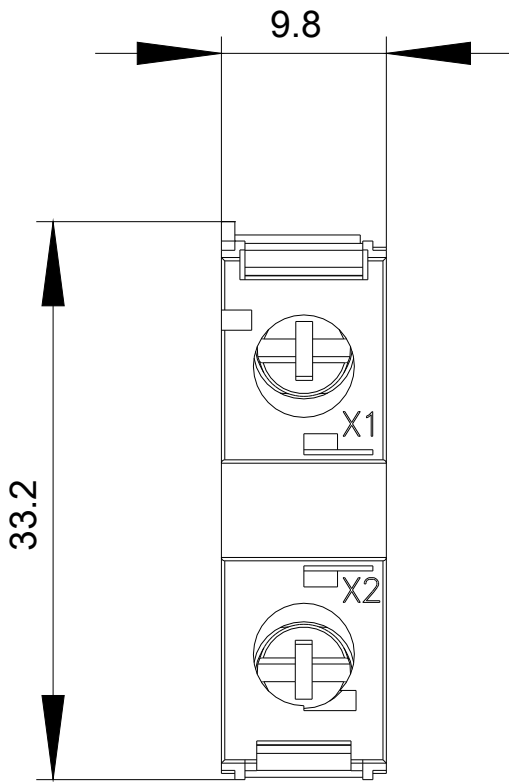
General Product Approval			EMC	Declaration of Conformity	
					
CCC	CSA	UL		RCM	EG-Konf.

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

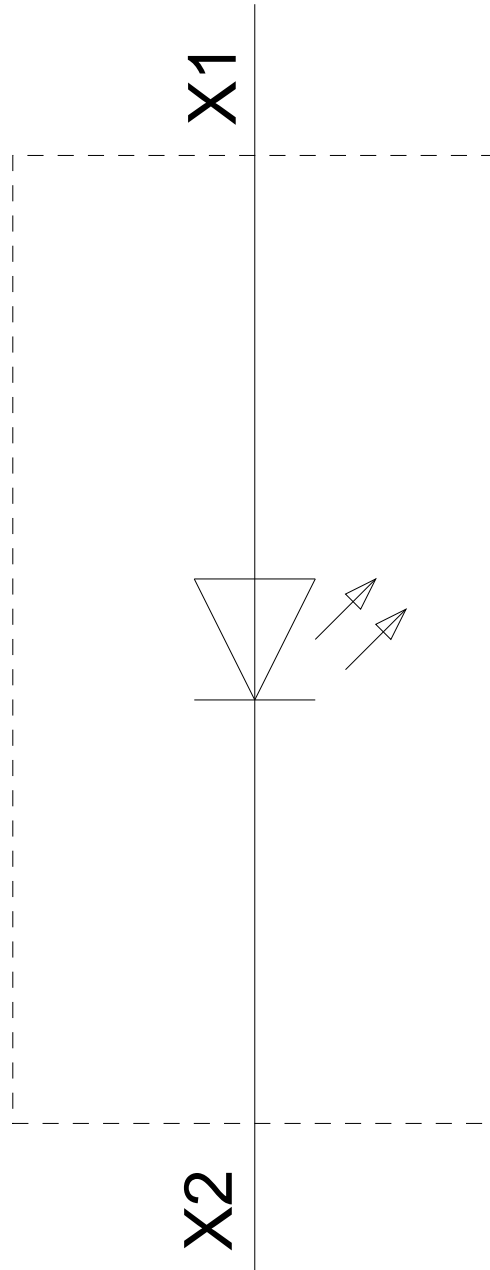
Marine / Shipping	other
	<a href="#">Confirmation</a>
	
RINA	
RMRS	

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=3SU1401-1BF40-1AA0>
- Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BF40-1AA0>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BF40-1AA0>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BF40-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BF40-1AA0&lang=en)



230 V AC  
-P



last modified:

11/04/2020