



LED module with integrated LED 110 V AC, red, spring-type terminal, for front plate mounting, Z=50-unit packaging

<b>product brand name</b>	SIRIUS ACT
<b>product designation</b>	LED module
<b>product type designation</b>	3SU1
<b>General technical data</b>	
<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
type of voltage of the operating voltage	AC
• for actuation	AC
<b>surge voltage resistance rated value</b>	4 kV
consumed current maximum	20 mA
protection class IP	
• of the enclosure	IP40
• of the terminal	IP20
<b>shock resistance</b>	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
<b>vibration resistance</b>	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications according to EN 61373	Category 1, Class B
<b>operating period typical</b>	100 000 h
<b>reference code according to IEC 81346-2</b>	P
<b>Substance Prohibitance (Date)</b>	03/01/2017
<b>operating voltage 1</b>	
• at AC	
— at 50 Hz rated value	110 V
— at 60 Hz rated value	110 V
<b>relative positive tolerance of the operating voltage</b>	20 %
<b>relative negative tolerance of the operating voltage</b>	20 %
<b>Control circuit/ Control</b>	
<b>inrush current maximum</b>	3 A
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	spring-loaded terminals
<b>type of connectable conductor cross-sections</b>	
• solid without core end processing	2x (0.25 ... 1.5 mm <sup>2</sup> )

<ul style="list-style-type: none"> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>at AWG cables</li> </ul>	2x (0.25 ... 0.75 mm <sup>2</sup> ) 2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (24 ... 16)
<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>certificate of suitability</b>	
<ul style="list-style-type: none"> <li>ATEX</li> <li>IECEX</li> </ul>	No No
<b>Ambient conditions</b>	
<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 according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)
<b>Installation/ mounting/ dimensions</b>	
<b>fastening method</b>	
<ul style="list-style-type: none"> <li>of modules and accessories</li> </ul>	Front plate mounting
<b>height</b>	36 mm
<b>width</b>	9.8 mm
<b>depth</b>	29.4 mm
<b>suitability for integration</b>	
<ul style="list-style-type: none"> <li>plastic enclosure</li> <li>metal enclosure</li> </ul>	Yes Yes
<b>Certificates/ approvals</b>	
<b>Further information</b>	

**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=3SU1401-1BC20-3AA0-Z X90>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BC20-3AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BC20-3AA0-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=3SU1401-1BC20-3AA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BC20-3AA0-Z X90&lang=en)

last modified:

3/9/2022 