



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

<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/DC
• 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
• 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 Prohibition (Date)</b>	10/01/2014
<b>operating voltage</b>	
• at AC	
— at 50 Hz rated value	6 ... 24 V
— at 60 Hz rated value	6 ... 24 V
• at DC rated value	6 ... 24 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>	2 A
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	screw-type terminals
<b>type of connectable conductor cross-sections</b>	
• solid with core end processing	2x (0.5 ... 0.75 mm <sup>2</sup> )
• solid without core end processing	2x (1.0 ... 1.5 mm <sup>2</sup> )

- finely stranded with core end processing
- finely stranded without core end processing
- at AWG cables

2x (0.5 ... 1.5 mm<sup>2</sup>)  
 2x (1,0 ... 1,5 mm<sup>2</sup>)  
 2x (18 ... 14)  
 0.8 ... 0.9 N·m

tightening torque with screw-type terminals

### Lamp

<b>type of light source</b>	LED
<b>color of the light source</b>	blue
<b>light intensity</b>	280 ... 710 mcd
<b>certificate of suitability</b>	
• ATEX	No
• IECEX	No

### Ambient conditions

<b>ambient temperature</b>	
• during operation	-25 ... +70 °C
• during storage	-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)

### Installation/ mounting/ dimensions

<b>fastening method</b>	
• of modules and accessories	Front plate mounting
<b>height</b>	33.2 mm
<b>width</b>	9.8 mm
<b>depth</b>	29.4 mm
<b>suitability for integration</b>	
• plastic enclosure	Yes
• metal enclosure	Yes

### Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



[Confirmation](#)



Declaration of Conformity

Test Certificates

Marine / Shipping



EG-Konf.

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



ABS



LRS



PRS

Marine / Shipping

other



RINA



RMRS

[Confirmation](#)

[Environmental Confirmations](#)

### 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=3SU1401-1BG50-1AA0>

Cax online generator

<http://support.automation.siemens.com/WWW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BG50-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BG50-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BG50-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BG50-1AA0&lang=en)



