



LED module with integrated LED 230 V AC, blue, 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
<b>insulation voltage rated value</b>	320 V
<b>degree of pollution</b>	3
<b>type of voltage of the operating voltage</b>	AC
• for actuation	AC
<b>surge voltage resistance rated value</b>	4 kV
<b>consumed current maximum</b>	20 mA
<b>protection class IP</b>	
• 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>	03/01/2017
<b>SVHC substance name</b>	Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5
<b>Net Weight</b>	0.008 kg
<b>operating voltage 1</b>	
• at AC	
— at 50 Hz rated value	230 V
— at 60 Hz rated value	230 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>	
<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>• for AWG cables</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)
connectable conductor cross-section finely stranded with core end processing	0.25 ... 0.75 mm <sup>2</sup>

<b>Lamp</b>	
<b>type of light source</b>	LED
<b>color of the light source</b>	blue
<b>light intensity</b>	280 ... 710 mcd

<b>ATEX</b>	
<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>Approvals Certificates</b>	
Environmental Product Declaration	
<ul style="list-style-type: none"> <li>• global warming potential [CO2 eq] / during manufacturing</li> <li>• global warming potential [CO2 eq] / during operation</li> <li>• global warming potential [CO2 eq] / after end of life</li> <li>• global warming potential [CO2 eq] / total</li> </ul>	0.566 kg 0.235 kg -0.0145 kg 0.787 kg

<b>Environment</b>	<b>General Product Approval</b>
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[Environmental Confirmations](#)



<b>General Product Approval</b>	<b>EMV</b>	<b>Test Certificates</b>	<b>Maritime application</b>
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[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



<b>Maritime application</b>	<b>other</b>
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[Confirmation](#)



**Further information**

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SU1401-1BF50-3AA0-Z\\_X90](https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BF50-3AA0-Z_X90)

Cax online generator

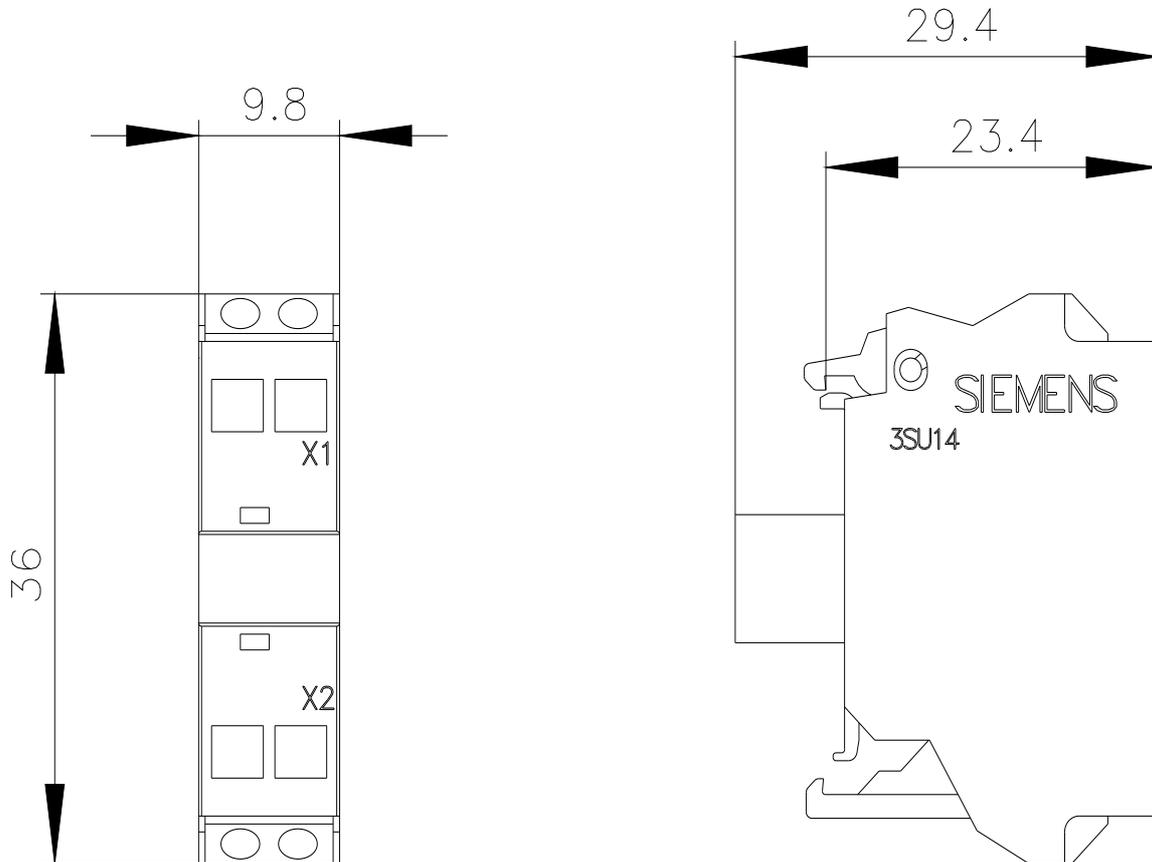
[https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BF50-3AA0-Z\\_X90](https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BF50-3AA0-Z_X90)

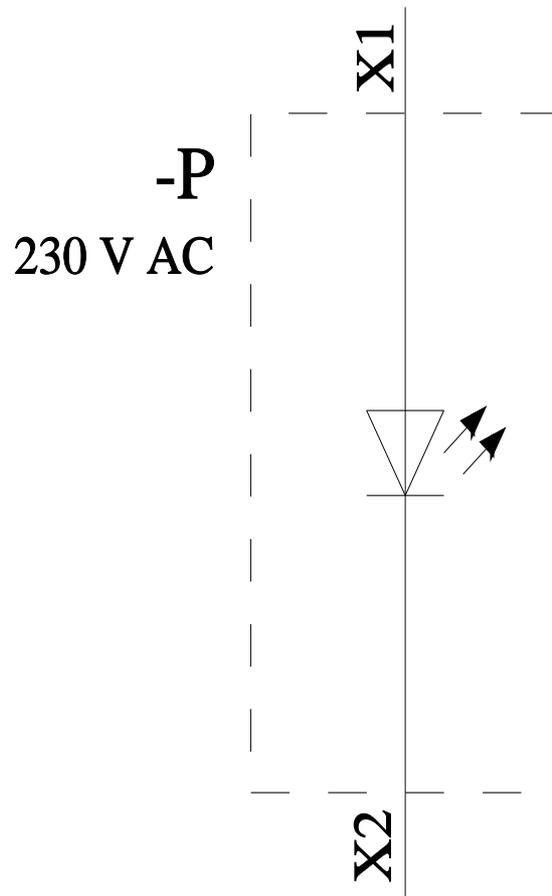
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

[https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BF50-3AA0-Z\\_X90](https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BF50-3AA0-Z_X90)

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BF50-3AA0-Z\\_X90&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BF50-3AA0-Z_X90&lang=en)





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