











Siemens  
EcoTech



LED module with integrated LED 24 V AC/DC, blue, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof



product brand name	SIRIUS ACT
product designation	LED module
product type designation	3SU1
<b>General technical data</b>	
product component	
• diode	Yes
• lamp transformer	No
• light source	Yes
• series resistor	No
insulation voltage rated value	320 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC
• for actuation	AC/DC
surge voltage resistance rated value	4 kV
consumed current maximum	25 mA
protection class IP	
• of the enclosure	IP40
• of the terminal	IP20
shock resistance	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications according to EN 61373	Category 1, Class B
operating period typical	100 000 h
reference code according to IEC 81346-2	P
Substance Prohibitance (Date)	10/01/2014
SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5
Net Weight	8 g
operating voltage 1	
• at AC	
— at 50 Hz rated value	24 V
— at 60 Hz rated value	24 V
• at DC rated value	24 V
relative positive tolerance of the operating voltage	20 %

relative negative tolerance of the operating voltage	20 %				
<b>Control circuit/ Control</b>					
inrush current maximum	2 A				
<b>Connections/ Terminals</b>					
type of electrical connection	screw terminal				
type of connectable conductor cross-sections	<ul style="list-style-type: none"> <li>• solid with core end processing 2x (0.5 ... 0.75 mm<sup>2</sup>)</li> <li>• solid without core end processing 2x (1.0 ... 1.5 mm<sup>2</sup>)</li> <li>• finely stranded with core end processing 2x (0.5 ... 1.5 mm<sup>2</sup>)</li> <li>• finely stranded without core end processing 2x (1,0 ... 1,5 mm<sup>2</sup>)</li> <li>• for AWG cables 2x (18 ... 14)</li> </ul>				
connectable conductor cross-section finely stranded with core end processing	0.5 ... 1.5 mm <sup>2</sup>				
tightening torque with screw-type terminals	0.8 ... 0.9 N·m				
<b>Lamp</b>					
type of light source	LED				
color of the light source	blue				
light intensity	280 ... 710 mcd				
<b>ATEX</b>					
certificate of suitability	<ul style="list-style-type: none"> <li>• ATEX No</li> <li>• IECEX No</li> </ul>				
<b>Ambient conditions</b>					
ambient temperature	<ul style="list-style-type: none"> <li>• during operation -25 ... +70 °C</li> <li>• during storage -40 ... +80 °C</li> </ul>				
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>Environmental footprint</b>					
Environmental Product Declaration (EPD)	Yes				
global warming potential [CO2 eq] total	0.787 kg				
global warming potential [CO2 eq] during manufacturing	0.566 kg				
global warming potential [CO2 eq] during operation	0.235 kg				
global warming potential [CO2 eq] after end of life	-0.015 kg				
Siemens Eco Profile (SEP)	Siemens EcoTech				
<b>Installation/ mounting/ dimensions</b>					
fastening method	<ul style="list-style-type: none"> <li>• of modules and accessories Front plate mounting</li> </ul>				
height	33.2 mm				
width	9.8 mm				
depth	29.4 mm				
<b>Approvals Certificates</b>					
General Product Approval	EMV	Test Certificates			
 EG-Konf.		 UL		 RCM	<a href="#">Type Test Certificates/Test Report</a>
Test Certificates	Maritime application	other			
<a href="#">Special Test Certificate</a>	 BUREAU VERITAS	 LRS	 PRS	 RINA	 产品合格 QC PASS
other	Environment				

Confirmation

Siemens  
EcoTechEnvironmental Con-  
firmations

## Further information

## Information on the packaging

<https://support.industry.siemens.com/cs/document/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=3SU1401-1BB50-1AA0>

## Cax online generator

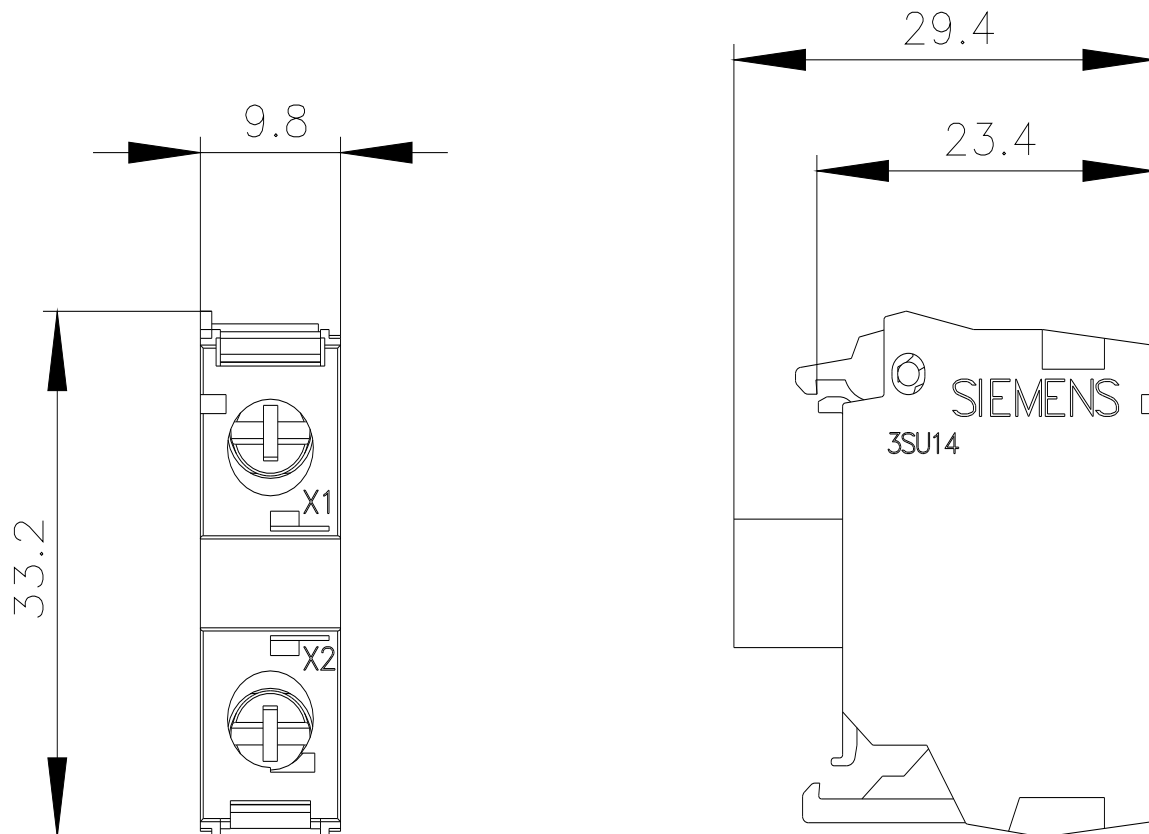
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB50-1AA0>

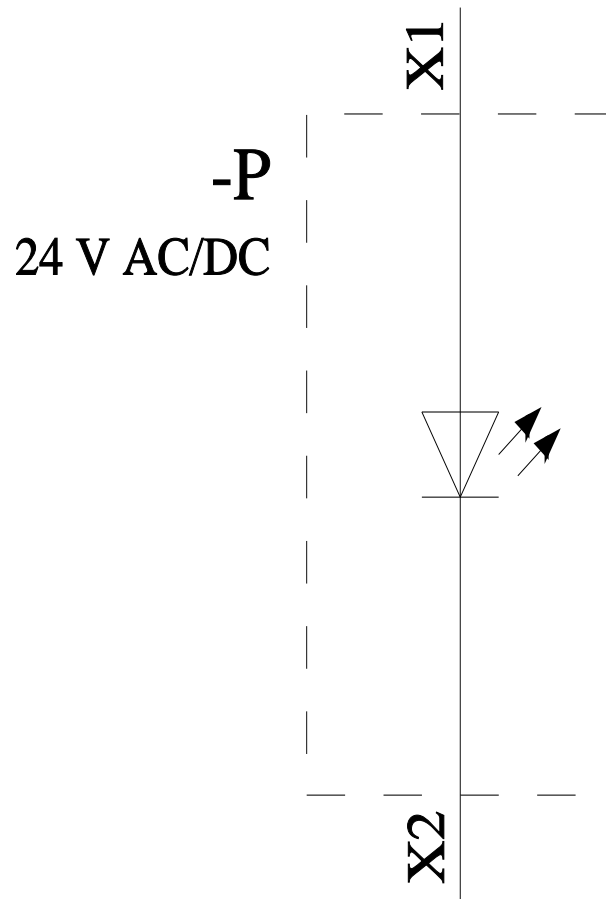
## Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB50-1AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BB50-1AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB50-1AA0&lang=en)





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4/2/2025 

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