











Siemens  
EcoTech



LED module w. indicator lights with integrated LED 110 V AC, red-yellow-green, screw terminal, for front plate mounting



product brand name	SIRIUS ACT
product designation	LED module
product type designation	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
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
<b>protection class IP</b>	
• of the enclosure	IP40
• of the terminal	IP20, clamping screw tightened
<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>	10/01/2014
<b>SVHC substance name</b>	Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) - 3147-75-9
<b>Weight</b>	17 g
<b>operating voltage 1</b>	
• at AC	
— at 50 Hz rated value	110 V
<b>relative positive tolerance of the operating voltage</b>	20 %
<b>relative negative tolerance of the operating voltage</b>	10 %

Control circuit/ Control		
inrush current maximum	2 A	
Connections/ Terminals		
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	
Lamp		
type of light source	LED	
color of the light source	red/yellow/ green	
ATEX		
certificate of suitability	<ul style="list-style-type: none"> <li>• ATEX No</li> <li>• IECEX No</li> </ul>	
Ambient conditions		
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, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)	
Environmental footprint		
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	
Installation/ mounting/ dimensions		
fastening method	<ul style="list-style-type: none"> <li>• of modules and accessories Front plate mounting</li> </ul>	
height	36 mm	
width	9.8 mm	
depth	49.7 mm	
Approvals Certificates		
General Product Approval	EMV	Test Certificates
    	<a href="#">Type Test Certificates/Test Report</a>	
Test Certificates	Maritime application	other
<a href="#">Special Test Certificate</a>     		
other	Environment	

## 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=3SU1401-1BC24-1AA0>

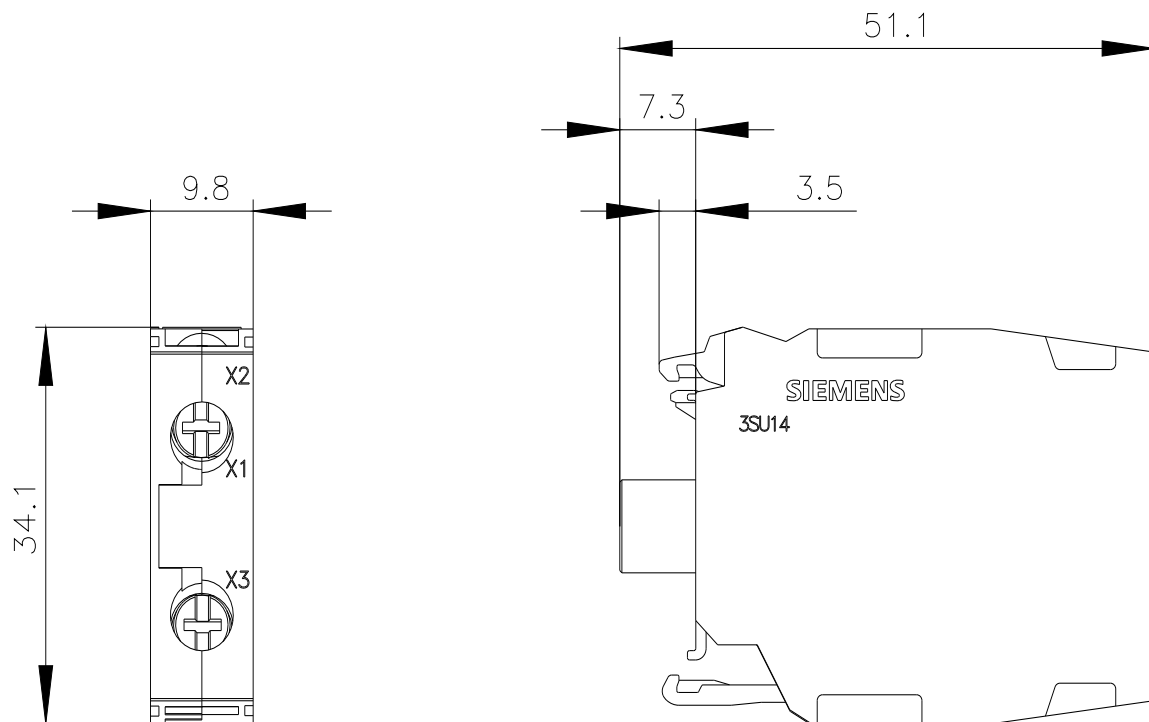
## Cax online generator

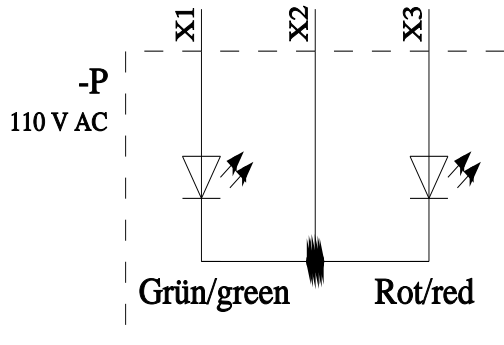
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BC24-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BC24-1AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BC24-1AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BC24-1AA0&lang=en)



X1	X2	X3	Farbe/color
X	X		Grün/green
	X	X	Rot/red
X	X	X	Gelb/yellow

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4/2/2025 