



LED module w. indicator lights With integrated LED AC/DC 6-24 V, red-yellow-green, spring-loaded 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
<b>insulation voltage rated value</b>	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	40 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 15 g / 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: 5 g
• 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 CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) CAS-No. 3147-75-9 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1
<b>Net Weight</b>	15 g
<b>operating voltage 1</b>	
• at AC	
— at 50 Hz rated value	12 V

— at 60 Hz rated value	12 V
● at DC rated value	12 V
<b>relative positive tolerance of the operating voltage</b>	200 %
<b>relative negative tolerance of the operating voltage</b>	50 %

#### Control circuit/ Control

<b>inrush current maximum</b>	2 A
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#### Connections/ Terminals

<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> )
● finely stranded with core end processing	2x (0.25 ... 0.75 mm <sup>2</sup> )
● finely stranded without core end processing	2x (0.25 ... 1.5 mm <sup>2</sup> )
● for AWG cables	2x (24 ... 16)
connectable conductor cross-section finely stranded with core end processing	0.25 ... 0.75 mm <sup>2</sup>

#### Lamp

<b>type of light source</b>	LED
<b>color of the light source</b>	red/yellow/ green

#### ATEX

<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, 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>	36 mm
<b>width</b>	9.8 mm
<b>depth</b>	49.7 mm

#### Approvals Certificates

Environmental Product Declaration	
● 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	-0.0145 kg
● global warming potential [CO2 eq] / total	0.787 kg

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



<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=3SU1401-1BG24-3AA0>

Cax online generator

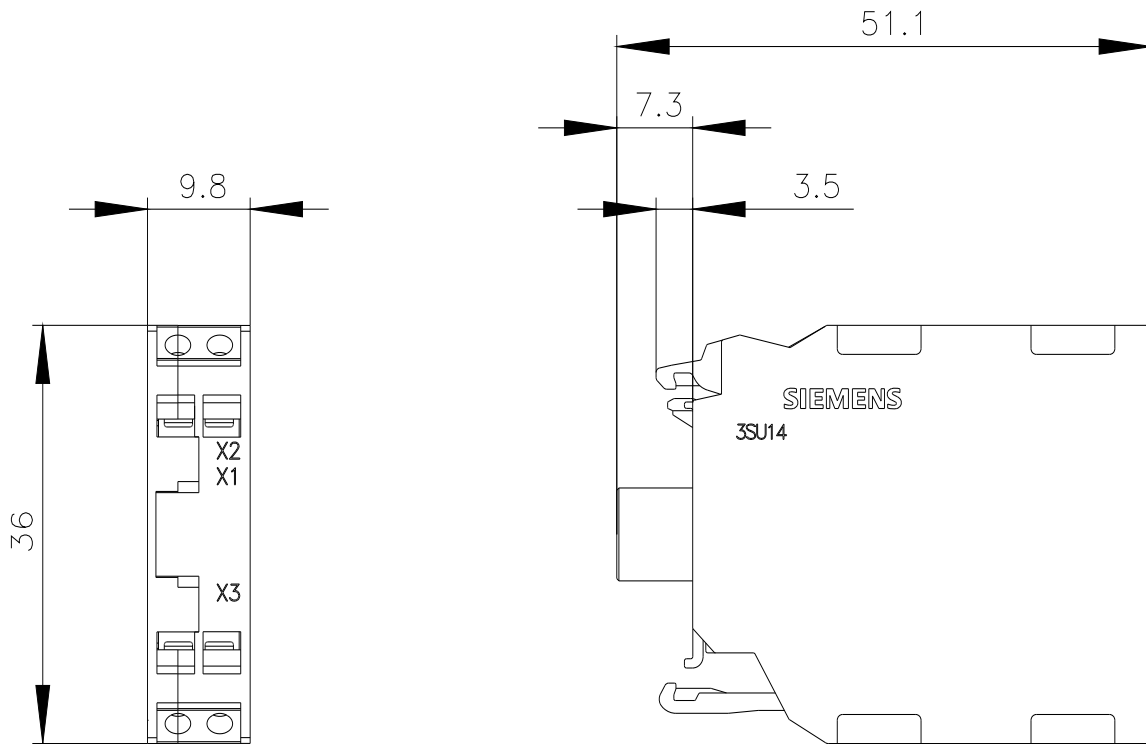
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BG24-3AA0>

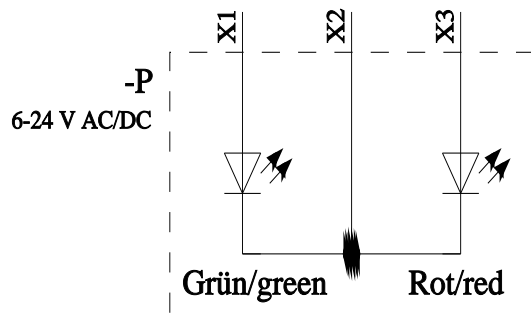
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BG24-3AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BG24-3AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BG24-3AA0&lang=en)





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

last modified:

4/4/2026