












LED module w. indicator lights With integrated LED AC/DC 6-24 V, red-yellow-green, screw terminal, for front plate mounting

product brand name	SIRIUS ACT
product designation	LED module
product type designation	3SU1
General technical data	
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	40 mA
protection class IP	
• of the enclosure	IP40
• of the terminal	IP20, clamping screw tightened
shock resistance	
• according to IEC 60068-2-27	sinusoidal half-wave 15 g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5 g
• 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 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
Net Weight	17 g
operating voltage 1	
• at AC	
— at 50 Hz rated value	12 V

— at 60 Hz rated value	12 V				
● at DC rated value	12 V				
relative positive tolerance of the operating voltage	200 %				
relative negative tolerance of the operating voltage	50 %				
Control circuit/ Control					
inrush current maximum	2 A				
Connections/ Terminals					
type of electrical connection	screw terminal				
type of connectable conductor cross-sections					
● solid with core end processing	2x (0.5 ... 0.75 mm ²)				
● solid without core end processing	2x (1.0 ... 1.5 mm ²)				
● finely stranded with core end processing	2x (0.5 ... 1.5 mm ²)				
● finely stranded without core end processing	2x (1,0 ... 1,5 mm ²)				
● for AWG cables	2x (18 ... 14)				
connectable conductor cross-section finely stranded with core end processing	0.5 ... 1.5 mm ²				
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					
● ATEX	No				
● IECEx	No				
Ambient conditions					
ambient temperature					
● 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					
fastening method					
● of modules and accessories	Front plate mounting				
height	36 mm				
width	9.8 mm				
depth	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				
Environment	General Product Approval				
		Environmental Confirmations			
EMV	Test Certificates	Maritime application			
	Type Test Certificates/Test Report	Special Test Certificate			
Maritime application	other				



[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=3SU1401-1BG24-1AA0>

Cax online generator

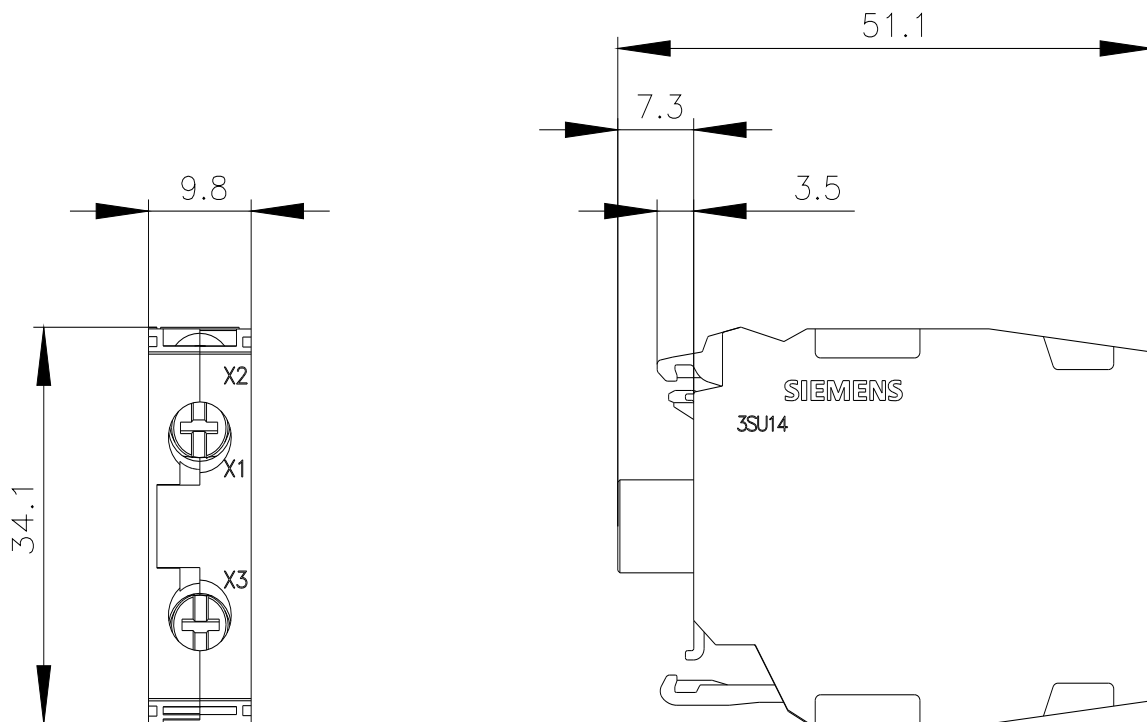
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BG24-1AA0>

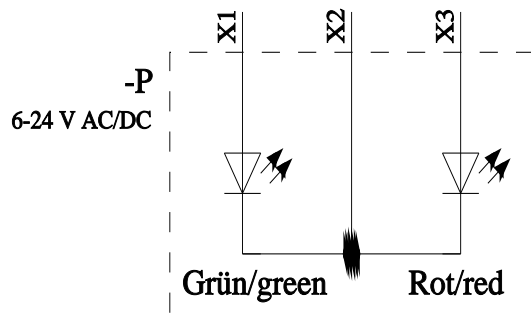
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BG24-1AA0&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