











Siemens
EcoTech



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



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	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 %		
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"> • solid with core end processing 2x (0.5 ... 0.75 mm²) • solid without core end processing 2x (1.0 ... 1.5 mm²) • finely stranded with core end processing 2x (0.5 ... 1.5 mm²) • finely stranded without core end processing 2x (1.0 ... 1.5 mm²) • 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		
light intensity	450 ... 1 120 mcd		
ATEX			
certificate of suitability	<ul style="list-style-type: none"> • ATEX No • IECEX No 		
Ambient conditions			
ambient temperature	<ul style="list-style-type: none"> • during operation -25 ... +70 °C • during storage -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)		
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"> • of modules and accessories Floor mounting 		
height	33.2 mm		
width	9.8 mm		
depth	29.4 mm		
Approvals Certificates			
General Product Approval	EMV	Test Certificates	
    	Special Test Certificate		
Test Certificates	Maritime application	other	
Type Test Certificates/Test Report     			
other	Environment		

Confirmation

Siemens
EcoTechEnvironmental Con-
firmations

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=3SU1401-2BB20-1AA0>

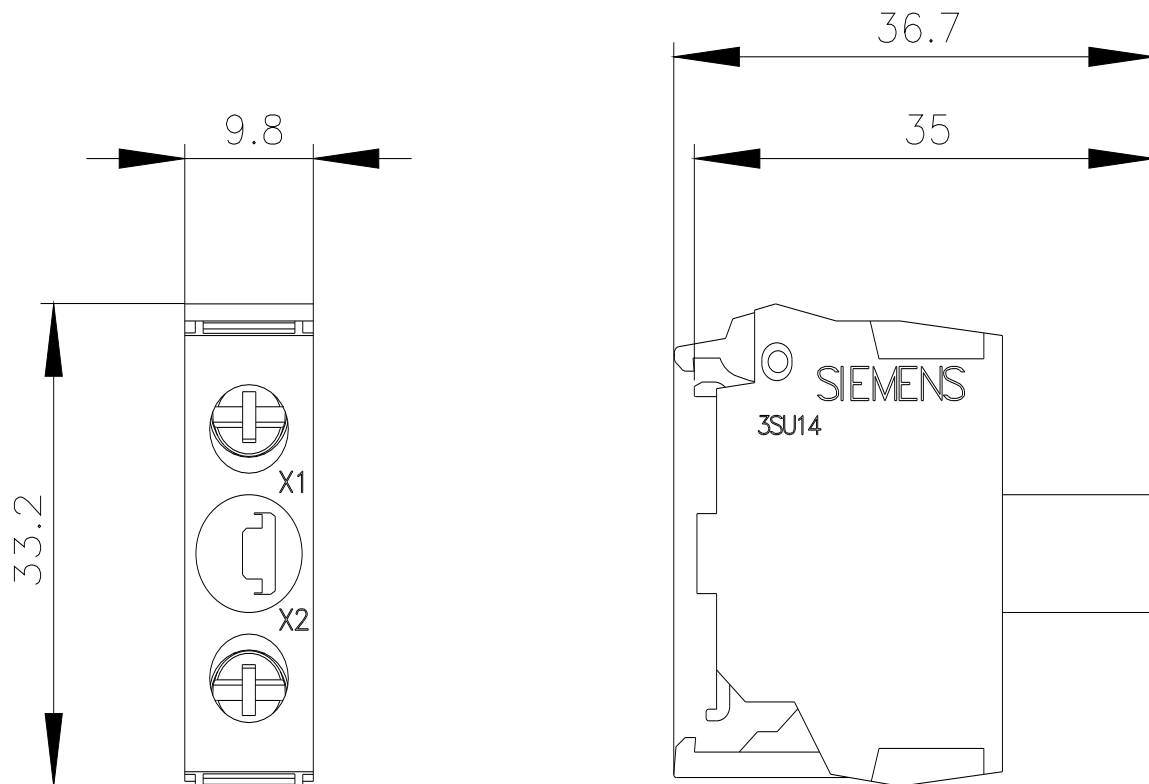
Cax online generator

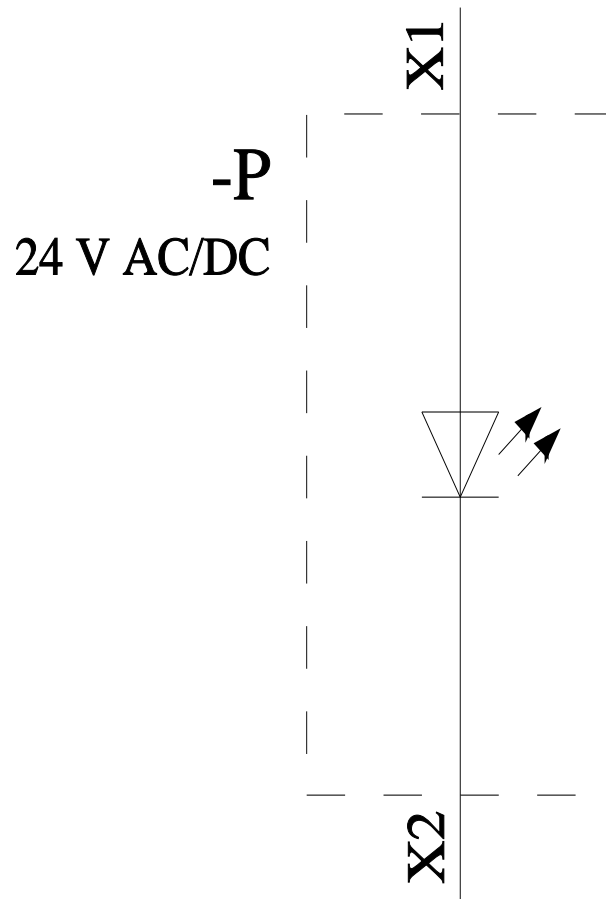
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2BB20-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BB20-1AA0>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BB20-1AA0&lang=en




last modified:

4/2/2025 

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