

Siemens
EcoTech



LED module with integrated LED 6-24V AC/DC red, 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	30 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 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7
Net Weight	10 g
operating voltage	
• at AC	
— at 50 Hz rated value	6 ... 24 V
— at 60 Hz rated value	6 ... 24 V
• at DC rated value	6 ... 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					
• 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 mm²				
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					
• 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, 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					
• of modules and accessories	Front plate mounting				
height	33.2 mm				
width	9.8 mm				
depth	29.4 mm				
Approvals Certificates					
General Product Approval	EMV	Test Certificates			
 EG-Konf.		 UL		 RCM	Special Test Certificate
Test Certificates	Maritime application	other			
Type Test Certificates/Test Report	 BUREAU VERITAS	 LRS	 PRS	 RINA	 产品合格 QC PASS
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=3SU1401-1BG20-1AA0>

Cax online generator

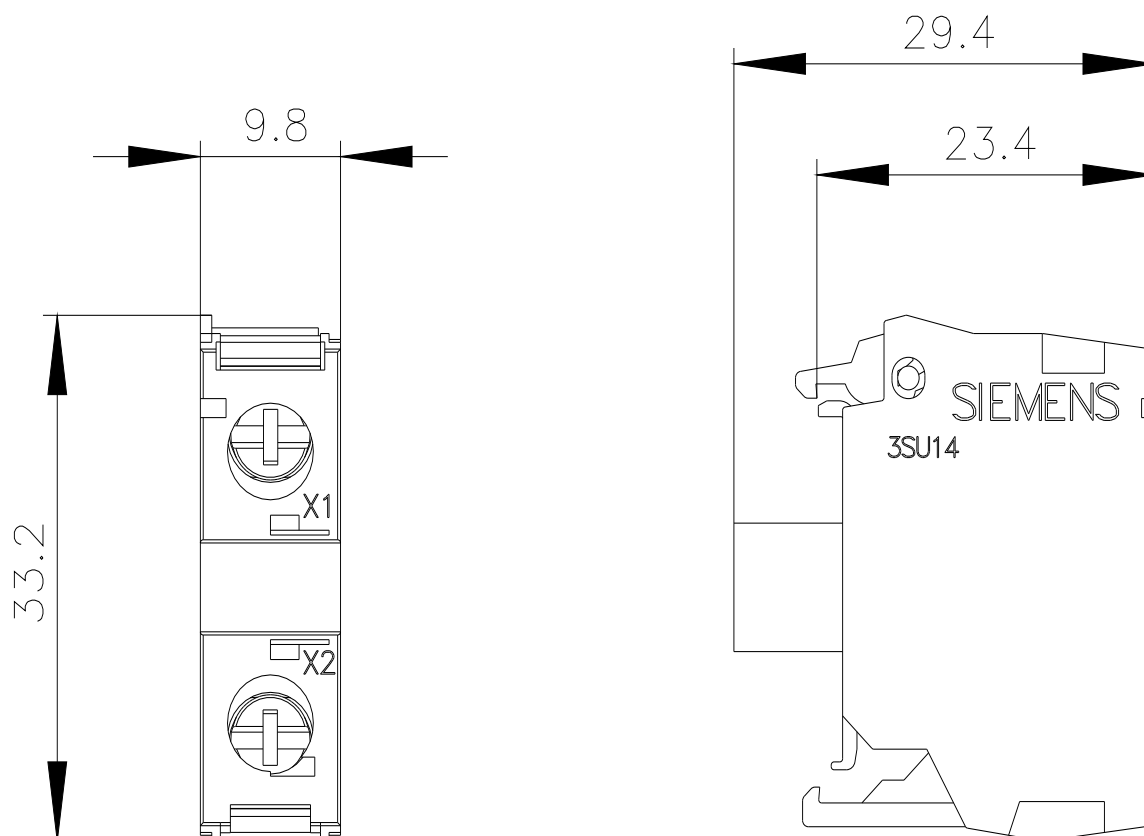
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BG20-1AA0>

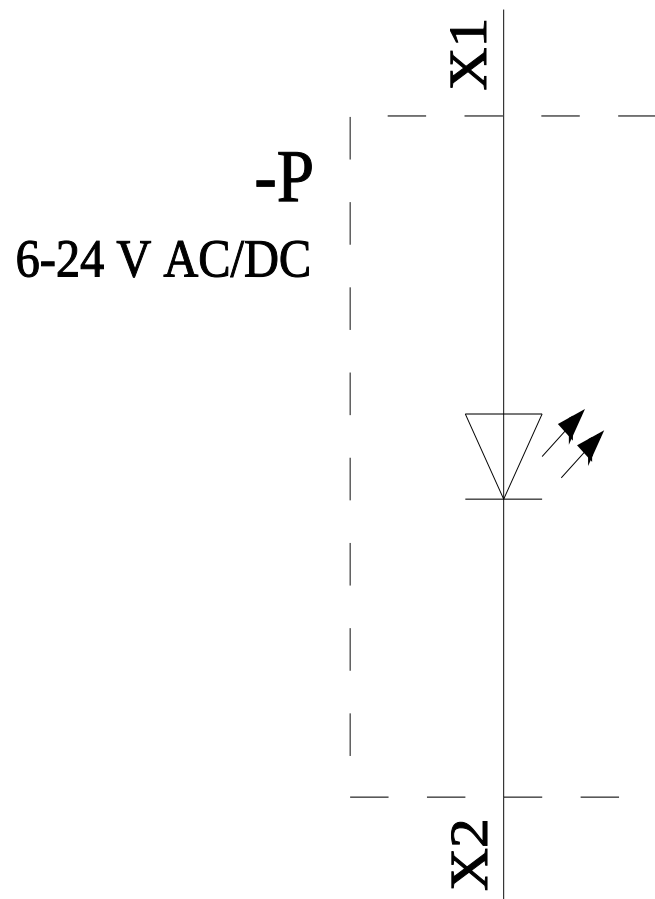
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BG20-1AA0>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BG20-1AA0&lang=en





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