

Siemens
EcoTech



LED module with integrated LED 230 V AC, blue, spring-type 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
• for actuation	AC
surge voltage resistance rated value	4 kV
consumed current maximum	20 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
Weight	9 g
operating voltage 1	
• at AC	
— at 50 Hz rated value	230 V
— at 60 Hz rated value	230 V
relative positive tolerance of the operating voltage	20 %
relative negative tolerance of the operating voltage	20 %
Control circuit/ Control	

inrush current maximum		3 A
Connections/ Terminals		
type of electrical connection		spring-loaded terminals
type of connectable conductor cross-sections		
• solid without core end processing		2x (0.25 ... 1.5 mm²)
• finely stranded with core end processing		2x (0.25 ... 0.75 mm²)
• finely stranded without core end processing		2x (0.25 ... 1.5 mm²)
• for AWG cables		2x (24 ... 16)
connectable conductor cross-section finely stranded with core end processing		0.25 ... 0.75 mm²
Lamp		
type of light source		LED
color of the light source		blue
light intensity		280 ... 710 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		36 mm
width		9.8 mm
depth		29.4 mm
Approvals Certificates		
General Product Approval		EMV
 CCC  EG-Konf.   UL   RCM		
Test Certificates		Maritime application
Type Test Certificates/Test Report		 LRS  PRS  RINA 
Special Test Certificate		
other		Environment
Confirmation		  
Environmental Confirmations		
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=3SU1401-1BF50-3AA0>

Cax online generator

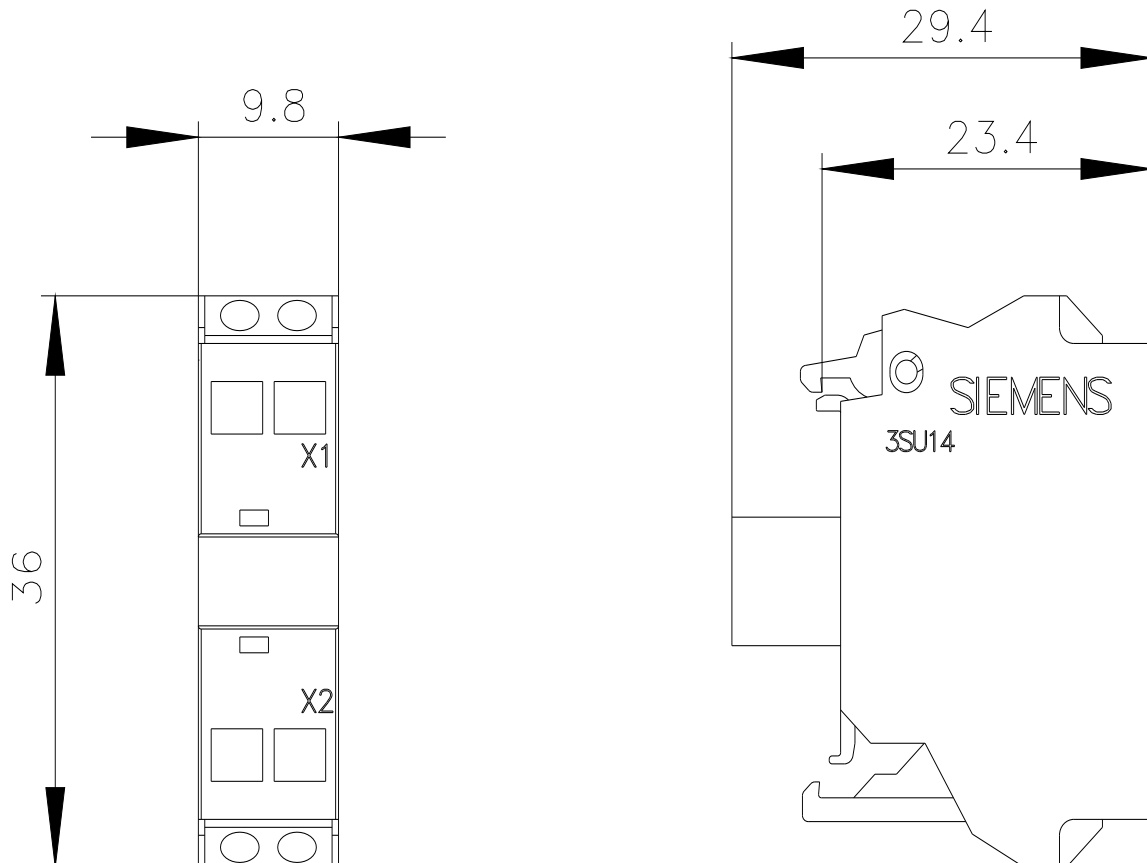
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BF50-3AA0>

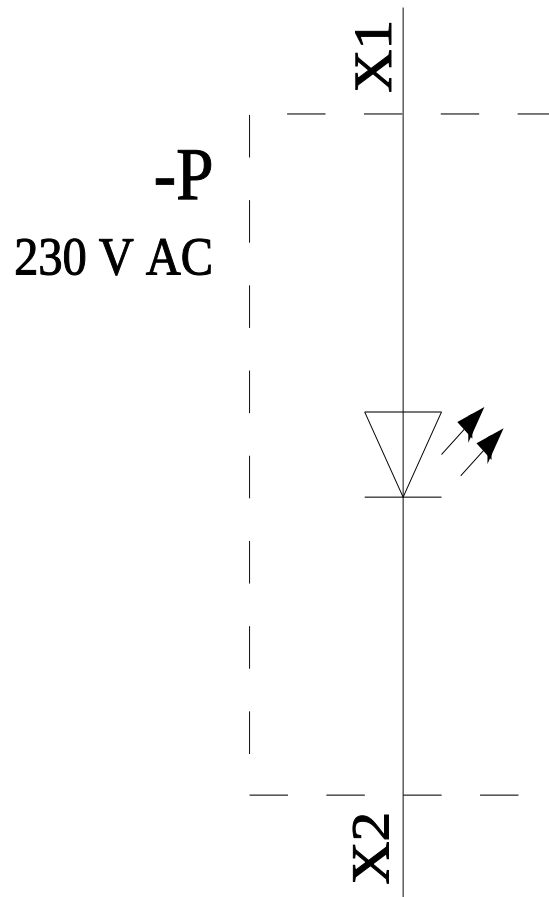
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BF50-3AA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BF50-3AA0&lang=en





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