

Siemens
EcoTech



LED module with integrated LED 24 V AC/DC, red, screw terminal, for front plate mounting, ATEX Zone 1-2: Intrinsic safety



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	20 mA
protection class IP	
• of the enclosure	IP30
• 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
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
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	Yes; BVS 18 ATEX E 030 (IEC 60079-0:2017-12 Edition 7.0; EN 60079-11:2012; ATEX-product guideline 2014/34/EU)		
• IECEx	Yes; IECEx BVS 18.0023 (IEC 60079-11:2011-06 Edition 6.0; IEC 60079-0:2017-12 Edition 7.0)		
• for gas explosion protection for zone 1/2	Yes		
explosion device group and category according to ATEX	II C		
Ex-Marking according to ATEX	II 2G Ex ib IIC T4 Gb		
equipment protection level (EPL) according to ATEX	Gb		
maximum input voltage (Ui)			
• at AC	28.8 V		
• at DC	28.8 V		
type of protection according to ATEX	Ex ib		
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)		
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			
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 Conformations   			
General Product Approval	EMV	For use in hazardous locations	Test Certificates



[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=3SU1401-1BB20-1AA2>

Cax online generator

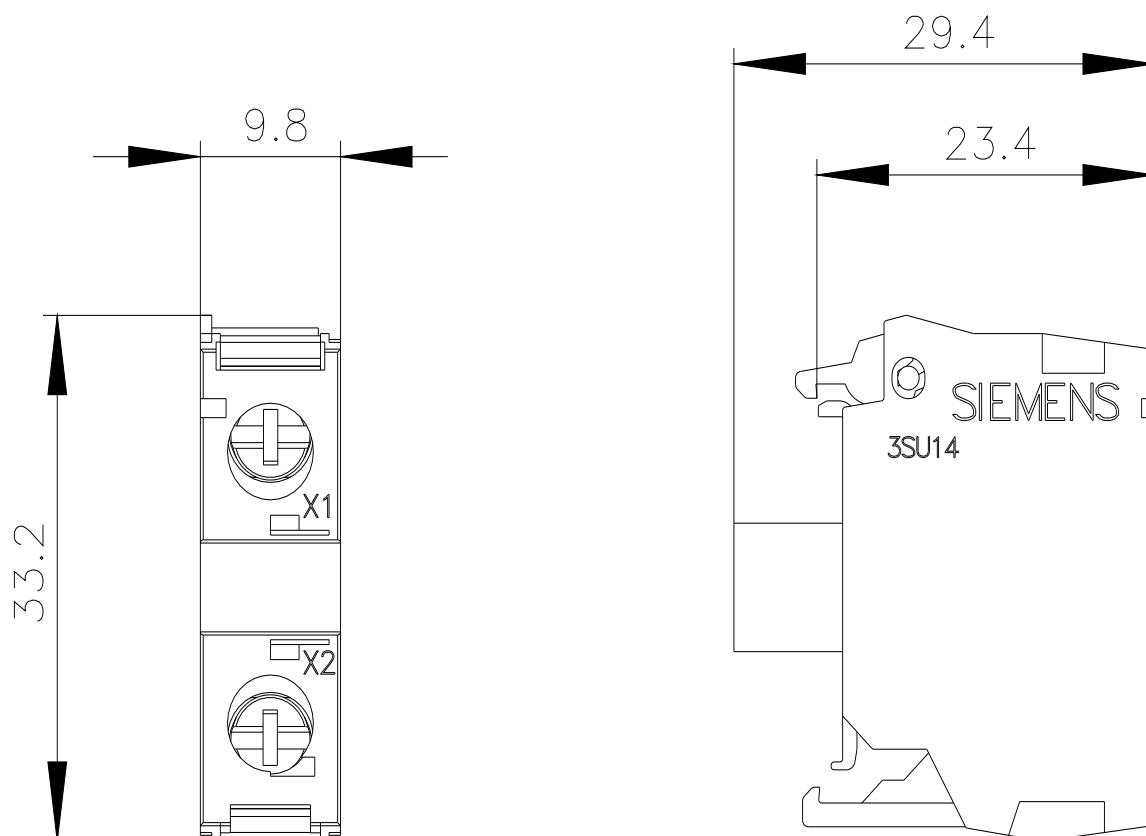
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB20-1AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB20-1AA2>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB20-1AA2&lang=en





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