






Siemens  
EcoTech



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

Figure similar

<b>product brand name</b>	SIRIUS ACT
<b>product designation</b>	LED module
<b>product type designation</b>	3SU1
<b>General technical data</b>	
<b>product component</b>	
• diode	Yes
• lamp transformer	No
• light source	Yes
• series resistor	No
<b>insulation voltage rated value</b>	320 V
<b>degree of pollution</b>	3
type of voltage of the operating voltage	AC/DC
• for actuation	AC/DC
<b>surge voltage resistance rated value</b>	4 kV
consumed current maximum	20 mA
<b>protection class IP</b>	
• of the enclosure	IP30
• of the terminal	IP20
<b>shock resistance</b>	
• according to IEC 60068-2-27	sinusoidal half-wave 15 g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
<b>vibration resistance</b>	
• according to IEC 60068-2-6	10 ... 500 Hz: 5 g
• for railway applications according to EN 61373	Category 1, Class B
<b>operating period typical</b>	100 000 h
<b>reference code according to IEC 81346-2</b>	P
<b>Substance Prohibitance (Date)</b>	10/01/2014
<b>SVHC substance name</b>	Lead monoxide (lead oxide) CAS-No. 1317-36-8
<b>Net Weight</b>	8 g
<b>operating voltage 1</b>	
• at AC	
— at 50 Hz rated value	24 V
— at 60 Hz rated value	24 V
• at DC rated value	24 V
<b>Control circuit/ Control</b>	

<b>inrush current maximum</b>	2 A	
<b>Connections/ Terminals</b>		
<b>type of electrical connection</b>	spring-loaded terminals	
<b>type of connectable conductor cross-sections</b>		
<ul style="list-style-type: none"> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• for AWG cables</li> </ul>	2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (0.25 ... 0.75 mm <sup>2</sup> ) 2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (24 ... 16)	
connectable conductor cross-section finely stranded with core end processing	0.25 ... 0.75 mm <sup>2</sup>	
<b>Lamp</b>		
<b>type of light source</b>	LED	
<b>color of the light source</b>	red	
<b>light intensity</b>	450 ... 1 120 mcd	
<b>ATEX</b>		
<b>certificate of suitability</b>		
<ul style="list-style-type: none"> <li>• ATEX</li> <li>• IECEx</li> <li>• for gas explosion protection for zone 1/2</li> </ul>	Yes; BVS 18 ATEX E 030 (IEC 60079-0:2017-12 Edition 7.0; EN 60079-11:2012; ATEX-product guideline 2014/34/EU)  Yes; IECEx BVS 18.0023 (IEC 60079-11:2011-06 Edition 6.0; IEC 60079-0:2017-12 Edition 7.0)  Yes	
explosion device group and category according to ATEX	II C	
<b>Ex-Marking according to ATEX</b>	II 2G Ex ib IIC T4 Gb	
<b>equipment protection level (EPL) according to ATEX</b>	Gb	
<b>maximum input voltage (Ui)</b>		
<ul style="list-style-type: none"> <li>• at AC</li> <li>• at DC</li> </ul>	28.8 V 28.8 V	
<b>type of protection according to ATEX</b>	Ex ib	
<b>Ambient conditions</b>		
<b>ambient temperature</b>		
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul>	-25 ... +70 °C -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)	
<b>Installation/ mounting/ dimensions</b>		
<b>fastening method</b>		
<ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>	Front plate mounting	
<b>height</b>	36 mm	
<b>width</b>	9.8 mm	
<b>depth</b>	29.4 mm	
<b>Approvals Certificates</b>		
Environmental Product Declaration		
<ul style="list-style-type: none"> <li>• global warming potential [CO2 eq] / during manufacturing</li> <li>• global warming potential [CO2 eq] / during operation</li> <li>• global warming potential [CO2 eq] / after end of life</li> <li>• global warming potential [CO2 eq] / total</li> </ul>	0.566 kg 0.235 kg -0.0145 kg 0.787 kg	
<b>Environment</b>	<b>General Product Approval</b>	<b>For use in hazardous locations</b>
<a href="#">Environmental Confirmations</a>     		
<b>For use in hazardous locations</b>	<b>Maritime application</b>	<b>other</b>



[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=3SU1401-1BB20-3AA2>

**Cax online generator**

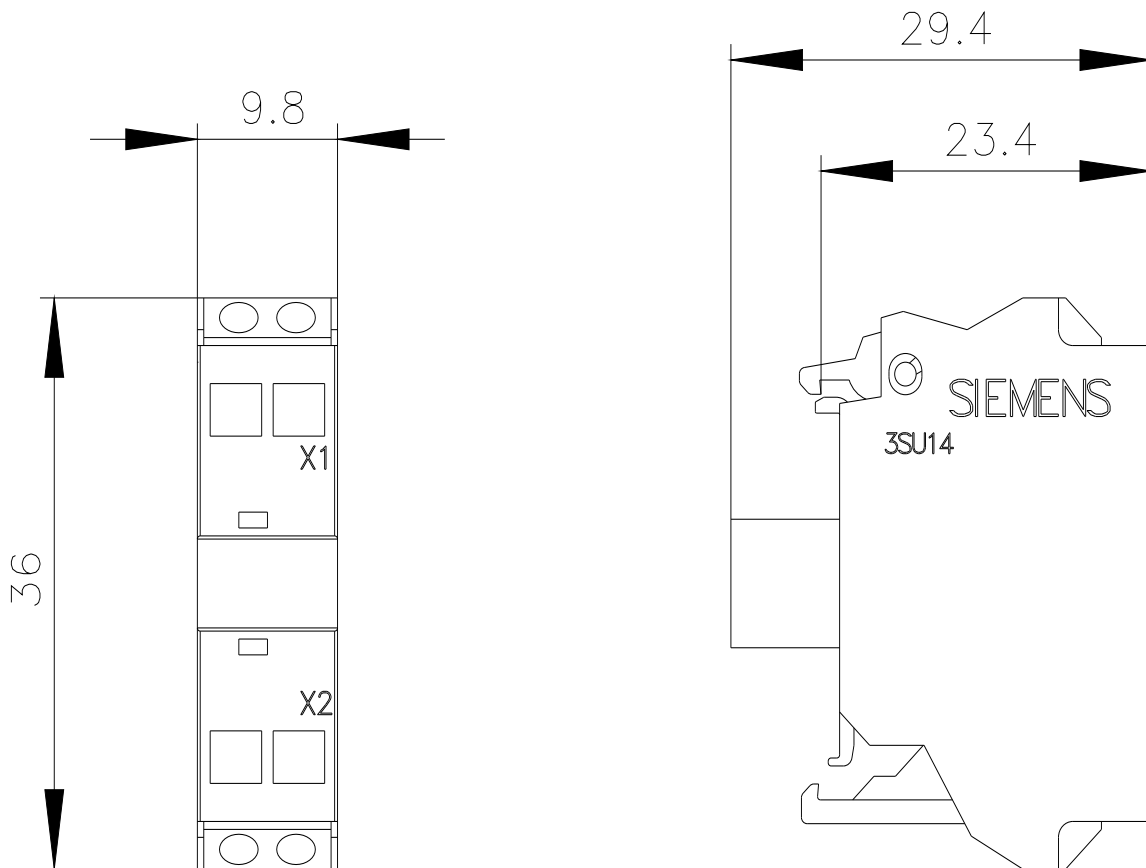
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB20-3AA2>

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

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

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-1BB20-3AA2&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB20-3AA2&lang=en)





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