









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

Figure similar

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 15 g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5 g
• 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) CAS-No. 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1
Net Weight	21 g
operating voltage 1	
• at AC	
— at 50 Hz rated value	24 V
— at 60 Hz rated value	24 V

<ul style="list-style-type: none"> at DC rated value 	24 V		
Control circuit/ Control			
inrush current maximum	2 A		
Connections/ Terminals			
type of electrical connection	spring-loaded terminals		
type of connectable conductor cross-sections			
<ul style="list-style-type: none"> solid without core end processing 	2x (0.25 ... 1.5 mm ²)		
<ul style="list-style-type: none"> finely stranded with core end processing 	2x (0.25 ... 0.75 mm ²)		
<ul style="list-style-type: none"> finely stranded without core end processing 	2x (0.25 ... 1.5 mm ²)		
<ul style="list-style-type: none"> for AWG cables 	2x (24 ... 16)		
connectable conductor cross-section finely stranded with core end processing	0.25 ... 0.75 mm ²		
Lamp			
type of light source	LED		
color of the light source	green		
light intensity	450 ... 1 120 mcd		
ATEX			
certificate of suitability			
<ul style="list-style-type: none"> 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)		
<ul style="list-style-type: none"> IECEX 	Yes; IECEX BVS 18.0023 (IEC 60079-11:2011-06 Edition 6.0; IEC 60079-0:2017-12 Edition 7.0)		
<ul style="list-style-type: none"> 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)			
<ul style="list-style-type: none"> at AC 	28.8 V		
<ul style="list-style-type: none"> at DC 	28.8 V		
type of protection according to ATEX	Ex ib		
Ambient conditions			
ambient temperature			
<ul style="list-style-type: none"> during operation 	-25 ... +70 °C		
<ul style="list-style-type: none"> 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			
<ul style="list-style-type: none"> of modules and accessories 	Front plate mounting		
height	36 mm		
width	9.8 mm		
depth	29.4 mm		
Approvals Certificates			
Environmental Product Declaration			
<ul style="list-style-type: none"> global warming potential [CO2 eq] / during manufacturing 	0.566 kg		
<ul style="list-style-type: none"> global warming potential [CO2 eq] / during operation 	0.235 kg		
<ul style="list-style-type: none"> global warming potential [CO2 eq] / after end of life 	-0.0145 kg		
<ul style="list-style-type: none"> global warming potential [CO2 eq] / total 	0.787 kg		
Environment	General Product Approval		
  	  		
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=3SU1401-1BB40-3AA2>

Cax online generator

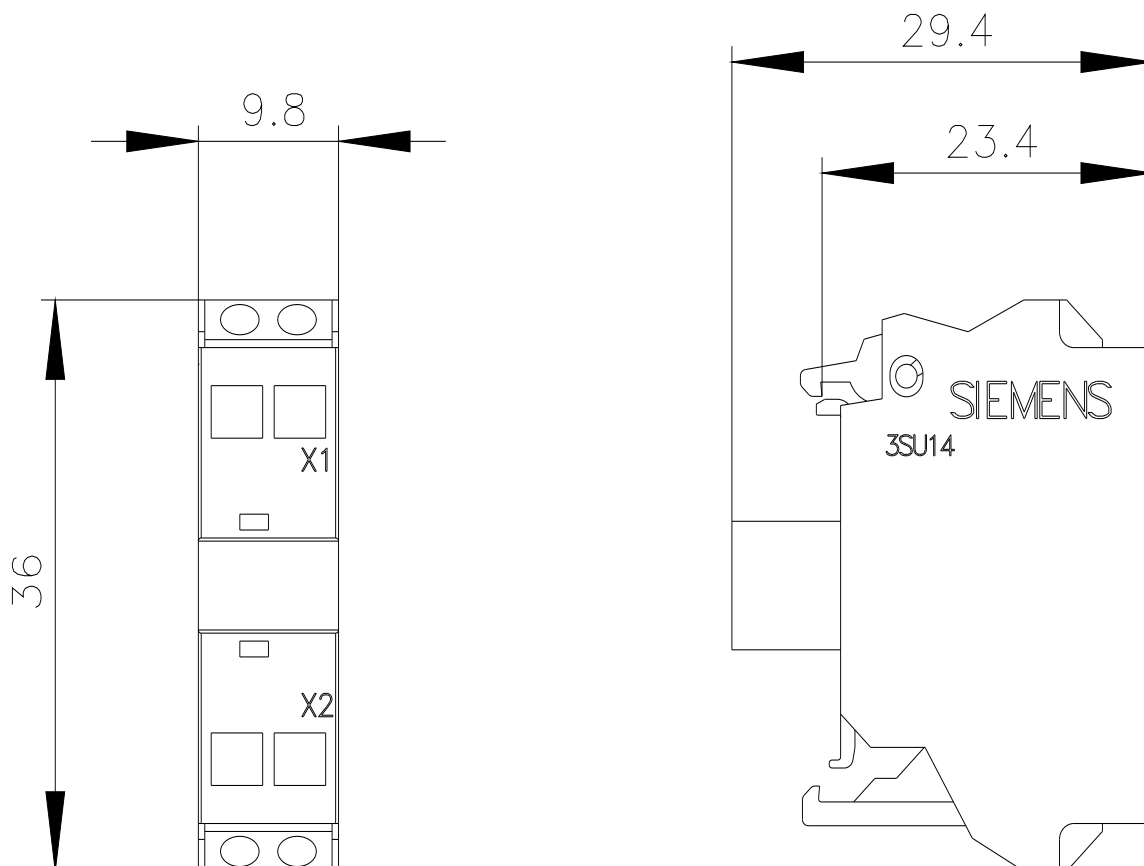
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB40-3AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB40-3AA2>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB40-3AA2&lang=en





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