

LED module With integrated LED 24 V AC/DC, blue, spring-type 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	
<ul style="list-style-type: none"> • diode • lamp transformer • Light source • series resistor 	<p>Yes</p> <p>No</p> <p>Yes</p> <p>No</p>
Insulation voltage	
<ul style="list-style-type: none"> • rated value 	320 V
Degree of pollution	3
Type of voltage	
<ul style="list-style-type: none"> • of the operating voltage • for actuation 	<p>AC/DC</p> <p>AC/DC</p>
Surge voltage resistance rated value	4 kV
Consumed current	

<ul style="list-style-type: none"> • maximum 	20 mA
Protection class IP	
<ul style="list-style-type: none"> • of the enclosure 	IP30
<ul style="list-style-type: none"> • of the terminal 	IP20
Shock resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-27 	Sinusoidal half-wave 50 g / 11 ms
<ul style="list-style-type: none"> • for railway applications acc. to DIN EN 61373 	Category 1, Class B
Operating period typical	100 000 h
Reference code acc. to DIN EN 81346-2	P
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Control circuit/ Control

Inrush current maximum	2 A
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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"> • at AWG conductors 	2x (24 ... 16)

Lamp

Type of light source	LED
Color of the light source	blue
Light intensity	450 ... 1 120 mcd
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
<ul style="list-style-type: none"> • for gas explosion protection for zone 1/2 	Yes
Explosion device group and category acc. to ATEX	II C
Ex-Marking acc. to ATEX	II 2G Ex ib IIC T4 Gb
Equipment protection level (EPL) acc. to ATEX	Gb
Type of protection acc. 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 acc. to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted)





Installation/ mounting/ dimensions




Mounting type	
<ul style="list-style-type: none"> • of modules and accessories 	Front plate mounting

Height	36 mm
Width	9.8 mm
Depth	29.4 mm

Certificates/approvals

General Product Approval		EMC	For use in hazardous locations		
					
CSA	UL		RCM	IECEX	ATEX

Declaration of Conformity	Test Certificates	Marine / Shipping			
Miscellaneous		Type Test Certificates/Test Report			
	EG-Konf.		ABS	LRS	PRS

Marine / Shipping	other		
			Confirmation
RINA	RMRS	DNV-GL DNVGL.COM/AF	

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB50-3AA2>

Cax online generator

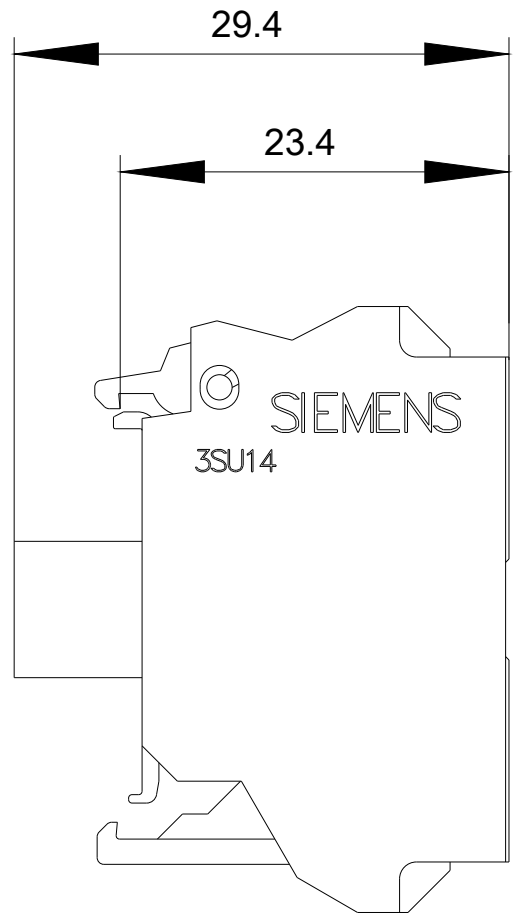
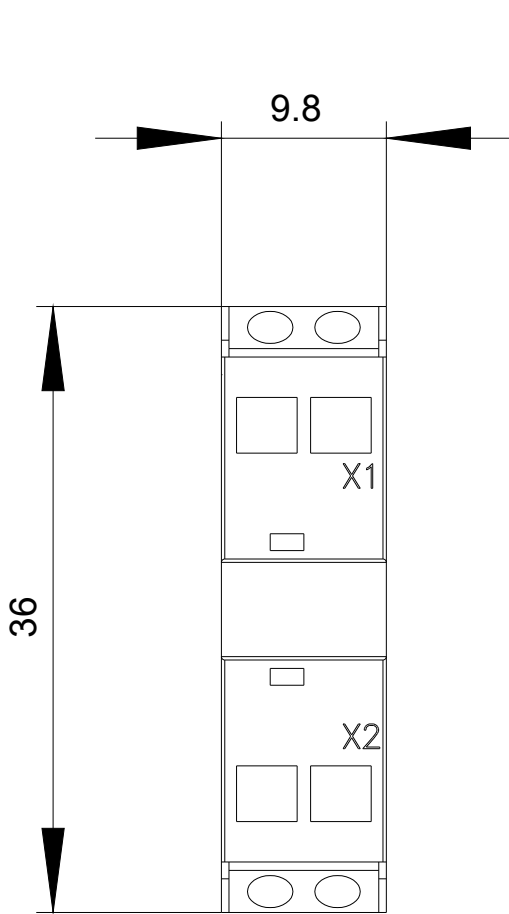
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB50-3AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB50-3AA2>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB50-3AA2&lang=en



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