

Siemens
EcoTech









LED module with integrated LED 24 V AC/DC, yellow, Spring-loaded terminal, for floor 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 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
Weight	9 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	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	yellow				
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)				
Environmental footprint					
Environmental Product Declaration (EPD)	Yes				
global warming potential [CO ₂ eq] total	0.787 kg				
global warming potential [CO ₂ eq] during manufacturing	0.566 kg				
global warming potential [CO ₂ eq] during operation	0.235 kg				
global warming potential [CO ₂ eq] after end of life	-0.015 kg				
Siemens Eco Profile (SEP)	Siemens EcoTech				
Installation/ mounting/ dimensions					
fastening method					
<ul style="list-style-type: none"> • of modules and accessories 	Floor mounting				
height	36 mm				
width	9.8 mm				
depth	29.4 mm				
Approvals Certificates					
General Product Approval	EMV	For use in hazardous locations			
					
For use in hazardous locations	Test Certificates	Maritime application			



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Maritime application

other

Environment



[Confirmation](#)



Siemens EcoTech



[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=3SU1401-2BB30-3AA2>

Cax online generator

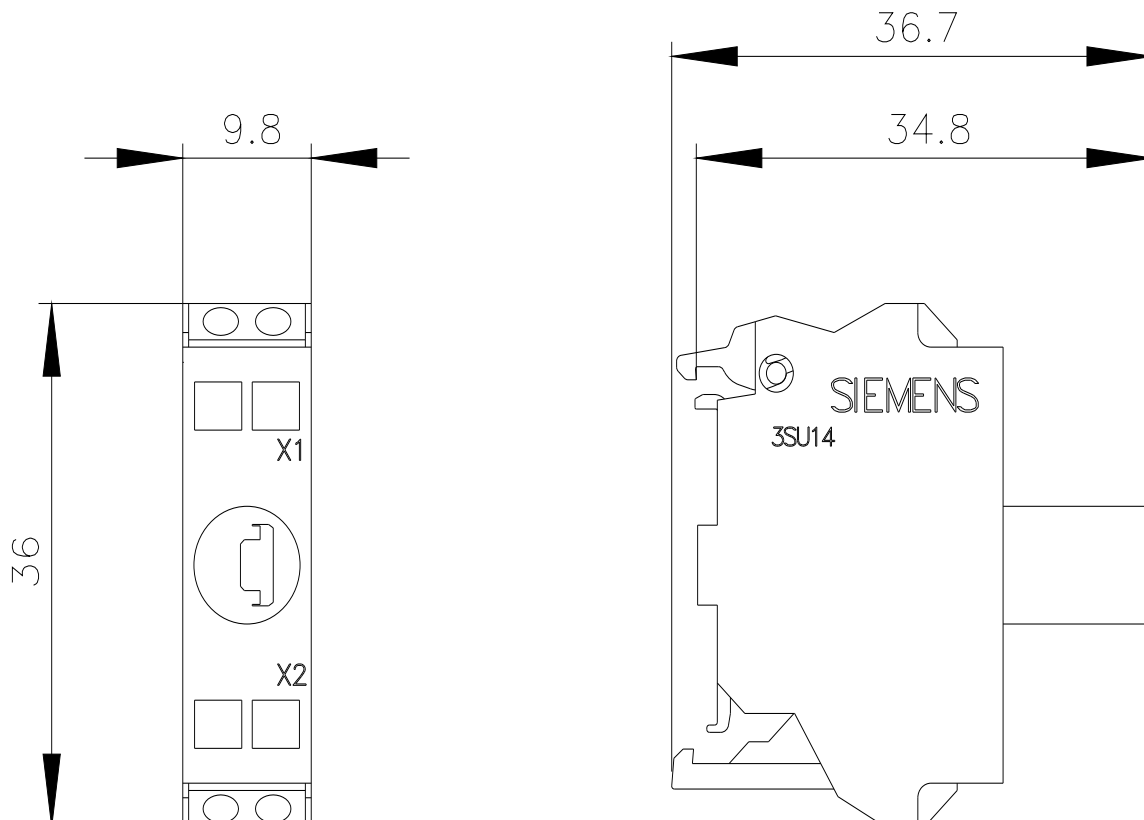
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2BB30-3AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BB30-3AA2>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BB30-3AA2&lang=en





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