

Siemens
EcoTech



LED module with integrated LED 24 V AC/DC, yellow, 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	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	screw terminal	
type of connectable conductor cross-sections	• solid with core end processing2x (0.5 ... 0.75 mm²) • solid without core end processing2x (1.0 ... 1.5 mm²) • finely stranded with core end processing2x (0.5 ... 1.5 mm²) • finely stranded without core end processing2x (1,0 ... 1,5 mm²) • for AWG cables2x (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	yellow	
light intensity	450 ... 1 120 mcd	
ATEX		
certificate of suitability	• ATEXYes; BVS 18 ATEX E 030 (IEC 60079-0:2017-12 Edition 7.0; EN 60079-11:2012; ATEX-product guideline 2014/34/EU) • IECExYes; 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 1/2Yes	
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 AC28.8 V • at DC28.8 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)	
Environmental footprint		
Environmental Product Declaration(EPD)	Yes	
global warming potential [CO2 eq] total	0.787 kg	
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	-0.015 kg	
Siemens Eco Profile (SEP)	Siemens EcoTech	
Installation/ mounting/ dimensions		
fastening method	• of modules and accessoriesFront plate mounting	
height	33.2 mm	
width	9.8 mm	
depth	29.4 mm	
Approvals Certificates		
General Product Approval	EMV	For use in hazardous locations
 EG-Konf.   UL   RCM  IECEx		
For use in hazardous locations	Test Certificates	Maritime application



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Maritime application

other

Environment



[Confirmation](#)



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[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=3SU1401-1BB30-1AA2>

Cax online generator

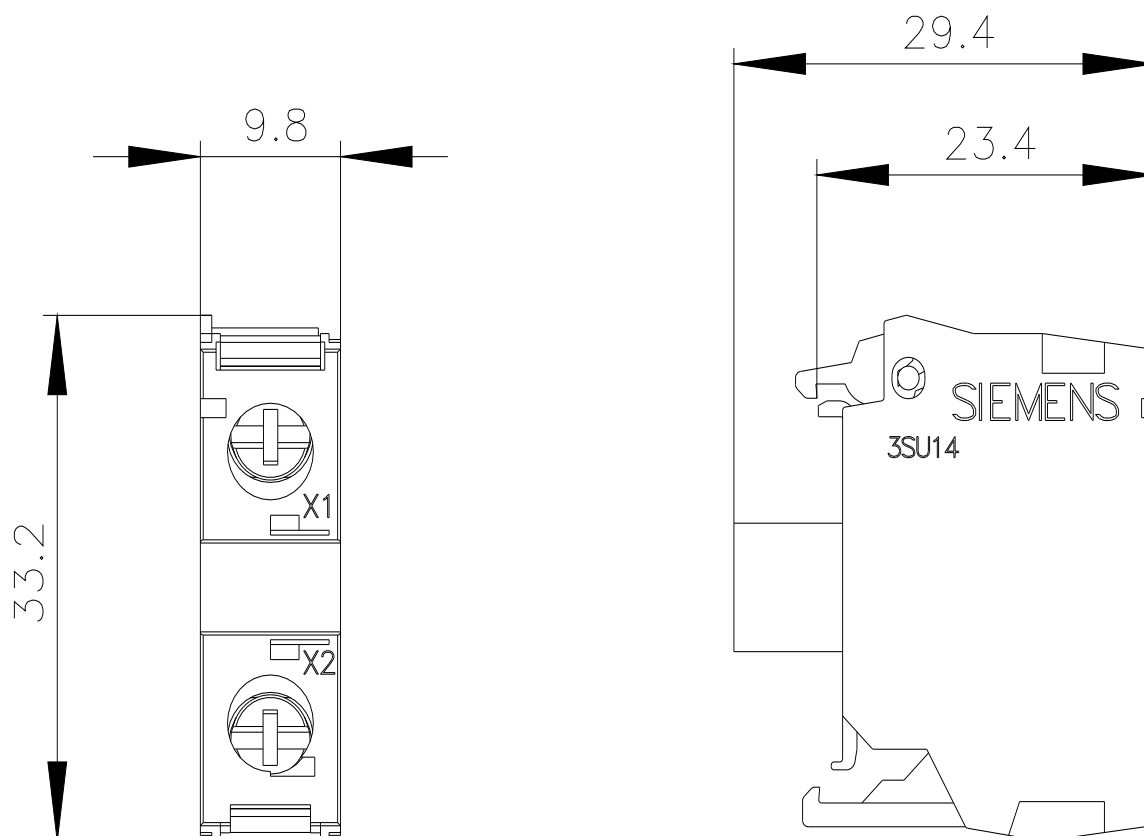
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB30-1AA2>

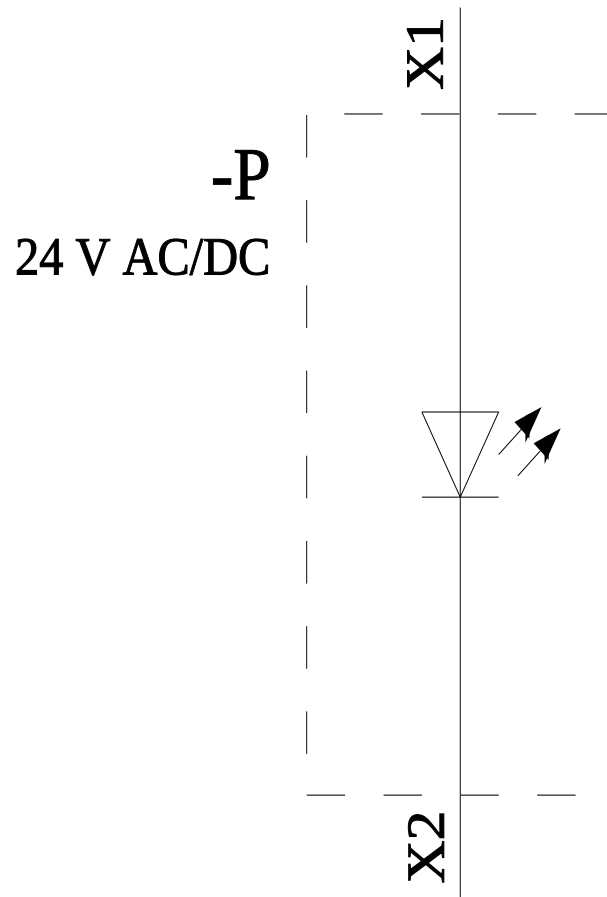
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB30-1AA2>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB30-1AA2&lang=en





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