



LED module with integrated LED 24 V AC/DC, white, 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	
<ul style="list-style-type: none"> • diode • lamp transformer • light source • series resistor 	Yes No Yes No
insulation voltage rated value	320 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC
<ul style="list-style-type: none"> • for actuation 	AC/DC
surge voltage resistance rated value	4 kV
consumed current maximum	20 mA
protection class IP	
<ul style="list-style-type: none"> • of the enclosure • of the terminal 	IP30 IP20
shock resistance	
<ul style="list-style-type: none"> • according to IEC 60068-2-27 • for railway applications according to EN 61373 	sinusoidal half-wave 15g / 11 ms Category 1, Class B
vibration resistance	
<ul style="list-style-type: none"> • according to IEC 60068-2-6 • for railway applications according to EN 61373 	10 ... 500 Hz: 5g Category 1, Class B
operating period typical	100 000 h
reference code according to IEC 81346-2	P
Substance Prohibitance (Date)	10/01/2014
operating voltage 1	
<ul style="list-style-type: none"> • at AC <ul style="list-style-type: none"> — at 50 Hz rated value — at 60 Hz rated value • at DC rated value 	24 V 24 V 24 V
Control circuit/ Control	
inrush current maximum	2 A
Connections/ Terminals	
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • solid with core end processing • solid without core end processing 	2x (0.5 ... 0.75 mm ²) 2x (1.0 ... 1.5 mm ²)

<ul style="list-style-type: none"> finely stranded with core end processing finely stranded without core end processing at AWG cables 	2x (0.5 ... 1.5 mm ²) 2x (1,0 ... 1,5 mm ²) 2x (18 ... 14)
tightening torque with screw-type terminals	0.8 ... 0.9 N·m

Lamp

type of light source	LED
color of the light source	white
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; 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 during storage 	-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)

Installation/ mounting/ dimensions

fastening method	
<ul style="list-style-type: none"> of modules and accessories 	Front plate mounting
height	33.2 mm
width	9.8 mm
depth	29.4 mm
suitability for integration	
<ul style="list-style-type: none"> plastic enclosure metal enclosure 	Yes Yes

Certificates/ approvals

General Product Approval	EMC	For use in hazardous locations
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[Confirmation](#)



For use in hazardous locations	Declaration of Conformity	Test Certificates	Marine / Shipping
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[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



Marine / Shipping	other
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[Environmental Confirmations](#)

[Confirmation](#)

Further information

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=3SU1401-1BB60-1AA2>

Cax online generator

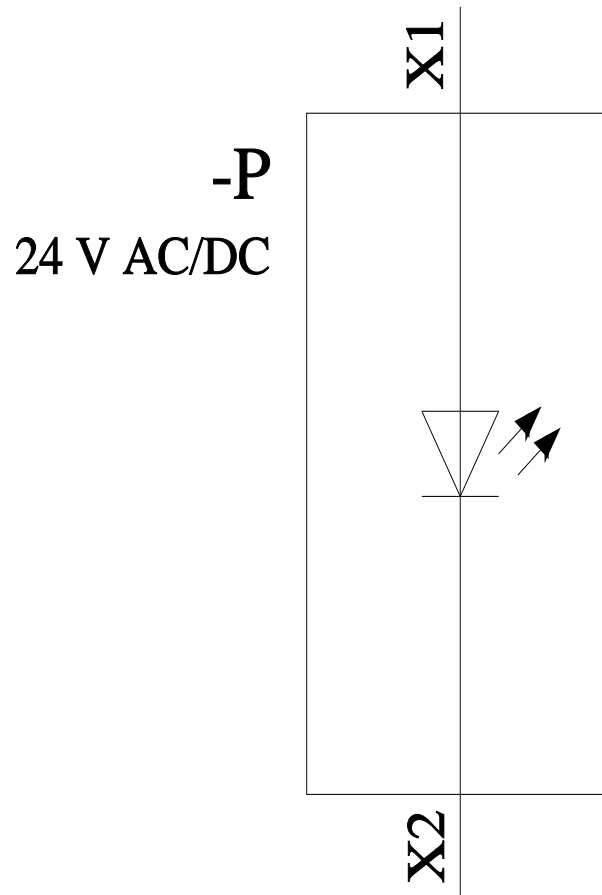
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB60-1AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB60-1AA2>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB60-1AA2&lang=en



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