



LED module with integrated LED, 24-240 V AC/DC, blue, screw terminal, for front plate mounting

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	IP40
• 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 Prohibition (Date)	10/01/2014
operating voltage	
• at AC	
— at 50 Hz rated value	24 ... 240 V
— at 60 Hz rated value	24 ... 240 V
• at DC rated value	24 ... 240 V
relative positive tolerance of the operating voltage	20 %
relative negative tolerance of the operating voltage	20 %

Control circuit/ Control

inrush current maximum	3 A
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Connections/ Terminals

type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
• solid with core end processing	2x (0.5 ... 0.75 mm ²)
• solid without core end processing	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) 0.8 ... 0.9 N·m
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Lamp	
type of light source	LED
color of the light source	blue
light intensity	280 ... 710 mcd
certificate of suitability	
<ul style="list-style-type: none"> ATEX IECEX 	No No

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



[Confirmation](#)



Declaration of Conformity	Test Certificates	Marine / Shipping
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EG-Konf.

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



LRS

Marine / Shipping	other
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PRS



RINA



RMRS

[Confirmation](#)

[Environmental Confirmations](#)

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=3SU1401-1BH50-1AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BH50-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BH50-1AA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BH50-1AA0&lang=en



