



LED module with integrated LED, 5 V DC, red, solder terminal, for use on printed circuit boards

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	30 V
degree of pollution	3
type of voltage of the operating voltage	DC
• for actuation	DC
surge voltage resistance rated value	0.8 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 Prohibitance (Date)	10/01/2014
operating voltage 1	
• at DC rated value	5 V
relative positive tolerance of the operating voltage	20 %
relative negative tolerance of the operating voltage	20 %
Control circuit/ Control	
inrush current maximum	0.1 A
Connections/ Terminals	
type of electrical connection	Socket connection (THT)
Lamp	
type of light source	LED
color of the light source	red
light intensity	450 ... 1 120 mcd

certificate of suitability	
<ul style="list-style-type: none"> • ATEX • IECEX 	<p>No</p> <p>No</p>
Ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage 	<p>-25 ... +70 °C</p> <p>-40 ... +80 °C</p>
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 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 	Printed circuit board
height	8.1 mm
width	8.1 mm
depth	30.6 mm
suitability for integration	
<ul style="list-style-type: none"> • plastic enclosure • metal enclosure 	<p>No</p> <p>No</p>
Certificates/ approvals	
General Product Approval	Declaration of Conformity



[Confirmation](#)



EG-Konf.

Test Certificates

Marine / Shipping

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



ABS



LRS



PRS



RINA

Marine / Shipping

other



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?mfb=3SU1401-3BA20-5AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SU1401-3BA20-5AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-3BA20-5AA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3SU1401-3BA20-5AA0&lang=en

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