

Traffic lights LED module with integrated LED 110 V AC, red-green-yellow, screw terminal, for front plate mounting

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 	<ul style="list-style-type: none"> Yes No Yes No
Insulation voltage	
<ul style="list-style-type: none"> • rated value 	320 V
Degree of pollution	3
Type of voltage	
<ul style="list-style-type: none"> • of the operating voltage • for actuation 	<ul style="list-style-type: none"> AC/DC AC/DC
Surge voltage resistance rated value	4 kV
Consumed current	
<ul style="list-style-type: none"> • maximum 	40 mA
Protection class IP	
<ul style="list-style-type: none"> • of the enclosure • of the terminal 	<ul style="list-style-type: none"> IP40 IP20
Shock resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 	<ul style="list-style-type: none"> Sinusoidal half-wave 50 g / 11 ms Category 1, Class B
Vibration resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 	<ul style="list-style-type: none"> 10 ... 500 Hz: 5g Category 1, Class B
Operating period typical	100 000 h
Reference code acc. to DIN EN 81346-2	P
Reference code acc. to DIN EN 61346-2	P
Operating voltage 1	
<ul style="list-style-type: none"> • at AC <ul style="list-style-type: none"> — at 50 Hz rated value • at DC rated value 	<ul style="list-style-type: none"> 110 V 110 V
Relative positive tolerance of the operating voltage	20 %
Relative negative tolerance of the operating voltage	10 %

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 	2x (0.5 ... 0.75 mm ²)
<ul style="list-style-type: none"> • solid without core end processing 	2x (1.0 ... 1.5 mm ²)
<ul style="list-style-type: none"> • finely stranded with core end processing 	2x (0.5 ... 1.5 mm ²)
<ul style="list-style-type: none"> • finely stranded without core end processing 	2x (1,0 ... 1,5 mm ²)
<ul style="list-style-type: none"> • at AWG conductors 	2x (18 ... 14)
Tightening torque	
<ul style="list-style-type: none"> • with screw-type terminals 	0.8 ... 0.9 N·m
Lamp	
Type of light source	LED
Color of the light source	red/yellow/ green
Certificate of suitability	
<ul style="list-style-type: none"> • ATEX 	No
<ul style="list-style-type: none"> • IECEx 	No
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 acc. to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted)
Installation/ mounting/ dimensions	
Mounting type	
<ul style="list-style-type: none"> • of modules and accessories 	Front plate mounting
Height	36 mm
Width	9.8 mm
Depth	49.7 mm
Certificates/ approvals	

General Product Approval	EMC	Declaration of Conformity	Test Certificates	Marine / Shipping
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[Miscellaneous](#)



[Type Test Certificates/Test Report](#)



Marine / Shipping	other
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LRS



PRS



RINA



RMRS



DNVGL.COM/AF

[Confirmation](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

www.siemens.com/sirius/catalogs

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BC24-1AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BC24-1AA0>

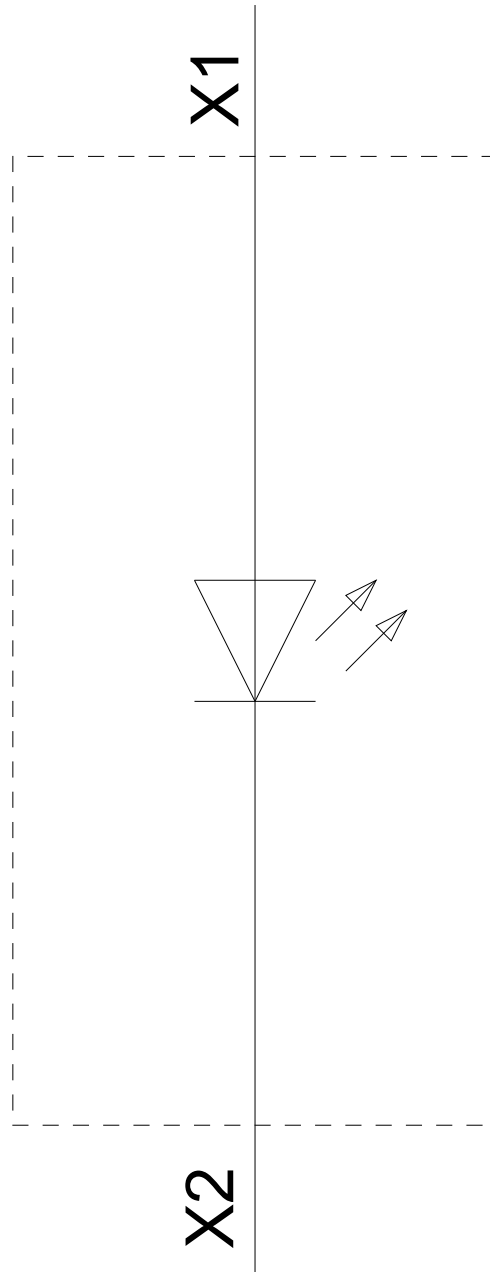
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BC24-1AA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BC24-1AA0&lang=en

110 V AC
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11/08/2019