SIEMENS

Data sheet

3SU1401-1BB50-3AA0



LED module with integrated LED 24 V AC/DC, blue, Spring-loaded terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof

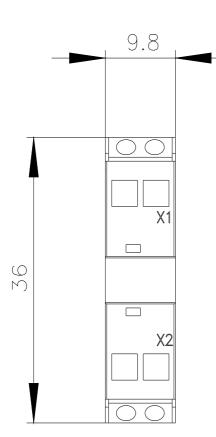
product component		
product type designation 3SU1 General technical data Product component • diode Yes • lamp transformer No • light source Yes • series resistor No insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC • for actuation AC/DC surge voltage resistance rated value 4 kV consumed current maximum 25 mA protection class IP IP40 • of the enclosure IP40 • of the terminal IP20 shock resistance sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance insuoidal half-wave 15g / 11 ms	product brand name	SIRIUS ACT
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 25 mA protection class IP IP40 • of the enclosure IP40 • of the terminal IP20 shock resistance sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-26 • according to IEC 60068-2-6 10 500 Hz: 5g	product designation	LED module
product component	product type designation	3SU1
• diodeYes• lamp transformerNo• light sourceYes• series resistorNo• nsulation voltage rated value320 V• degree of pollution3type of voltage of the operating voltageAC/DC• for actuationAC/DCsurge voltage resistance rated value4 kV• consumed current maximum25 mA• of the enclosureIP40• of the enclosureIP20• of the terminalIP20shock resistancesinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g	General technical data	
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• light sourceYes• series resistorNoinsulation voltage rated value320 Vdegree of pollution3type of voltage of the operating voltageAC/DC• for actuationAC/DCsurge voltage resistance rated value4 kVconsumed current maximum25 mA• of the enclosureIP40• of the terminalIP20shock resistancesinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g	• diode	Yes
• series resistorNoinsulation voltage rated value320 Vdegree of pollution3type of voltage of the operating voltageAC/DC• for actuationAC/DCsurge voltage resistance rated value4 kVconsumed current maximum25 mAprotection class IPIP40• of the terminalIP20• of the terminalIP20shock resistanceSinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistanceI0 500 Hz: 5g	lamp transformer	No
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A C / DCsurge voltage resistance rated valueAC/DCconsumed current maximum25 mAprotection class IPIP40• of the enclosureIP40• of the terminalIP20shock resistancesinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g	degree of pollution	3
surge voltage resistance rated value4 kVconsumed current maximum25 mAprotection class IP-• of the enclosureIP40• of the terminalIP20shock resistance-• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance-• according to IEC 60068-2-610 500 Hz: 5g	type of voltage of the operating voltage	AC/DC
consumed current maximum25 mAprotection class IP-• of the enclosureIP40• of the terminalIP20shock resistance-• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance-• according to IEC 60068-2-610 500 Hz: 5g	for actuation	AC/DC
protection class IPIP40• of the enclosureIP40• of the terminalIP20shock resistancesinusoidal half-wave 15g / 11 ms• according to IEC 60068-2-27Sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistanceIO 500 Hz: 5g	surge voltage resistance rated value	4 kV
• of the enclosureIP40• of the terminalIP20shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g	consumed current maximum	25 mA
• of the terminalIP20shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g	protection class IP	
shock resistance sinusoidal half-wave 15g / 11 ms • 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 10 500 Hz: 5g	• of the enclosure	IP40
• 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 10 500 Hz: 5g	of the terminal	IP20
• for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g	shock resistance	
vibration resistance 10 500 Hz: 5g	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
• according to IEC 60068-2-6 10 500 Hz: 5g	 for railway applications according to EN 61373 	Category 1, Class B
	vibration resistance	
for railway applications according to EN 61373 Category 1, Class B	 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	operating period typical	100 000 h
reference code according to IEC 81346-2 P	reference code according to IEC 81346-2	P
Substance Prohibitance (Date) 10/01/2014	Substance Prohibitance (Date)	10/01/2014
operating voltage 1	operating voltage 1	
• at AC	• at AC	
- at 50 Hz rated value 24 V	— at 50 Hz rated value	24 V
- at 60 Hz rated value 24 V	— at 60 Hz rated value	24 V
• at DC rated value 24 V	• at DC rated value	24 V
relative positive tolerance of the operating voltage 25 %	relative positive tolerance of the operating voltage	25 %
relative negative tolerance of the operating voltage 30 %	relative negative tolerance of the operating voltage	30 %
Control circuit/ Control	Control circuit/ Control	
inrush current maximum 2 A	inrush current maximum	2 A
Connections/ Terminals	Connections/ Terminals	
type of electrical connection spring-loaded terminals	type of electrical connection	spring-loaded terminals
type of connectable conductor cross-sections	type of connectable conductor cross-sections	
• solid without core end processing 2x (0.25 1.5 mm ²)	 solid without core end processing 	2x (0.25 1.5 mm²)

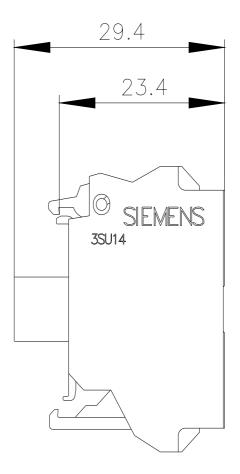
 finely stranded wi 	ith core end processing		2x (0.	25 0.75 mm²)		
 finely stranded without core end processing 		2x (0.25 1.5 mm ²)				
• for AWG cables		2x (24	4 16)			
Lamp						
type of light source			LED			
color of the light source	ce		blue			
light intensity			280	. 710 mcd		
certificate of suitability	y					
• ATEX			No			
• IECEx			No			
Ambient conditions						
ambient temperature						
 during operation 		-25 +70 °C				
during storage		-40 +80 °C				
environmental category 60721	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/ d	limensions					
fastening method						
 of modules and accessories 		Front	plate mounting			
height		36 mr	n			
width		9.8 m	m			
depth		29.4 r	nm			
suitability for integrati	on					
plastic enclosure		Yes				
 metal enclosure 			Yes			
Certificates/ approvals						
General Product Appr	oval				EMC	Declaration of Con- formity
	<u>Confirmation</u>	(U) u		EAC	RCM	UK CA
Declaration of Con- formity	Test Certificates			Marine / Shipping		
CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Cer</u> ate	<u>rtific-</u>	ABS	Lloyd's Register urs	PRS
Marine / Shipping	other	Environment				
RINA	Confirmation	Environmental C firmations	<u>Con-</u>			

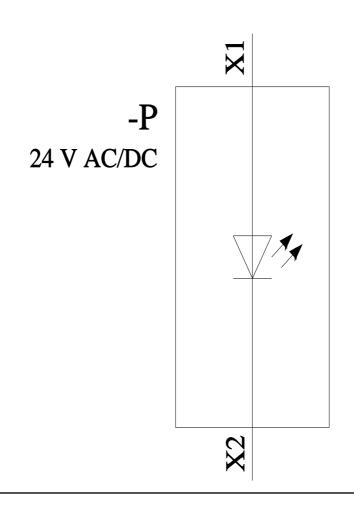
Further information

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) https://wv sieme .com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB50-3AA0 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB50-3AA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB50-3AA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB50-3AA0&lang=en







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