SIEMENS

Data sheet

3SU1401-1BG40-1AA0



LED module with integrated LED 6-24V AC/DC green, screw terminal, for front plate mounting

product brand name SIRUS ACT product by designation LED module product type designation 3SU1 Central technical data	-			
product type designation 3SU1 Central technical data product component	product brand name	SIRIUS ACT		
Ceneral technical data product component • diode • lamp transformer • light source • series resistor Insultation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage • for actuation AC/DC surge voltage restance rated value 4 kV consumed current maximum 30 mA protection class IP • of the endosure IP20 shock resistance • of the endosure i for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g category 1, Class B vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g category 1, Class B vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g category 1, Class B operating period typical reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 operating voltage • at AC	product designation	LED module		
product component ves • idade Yes • light source No • light source Yes • series resistor No 1nsulation 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 30 mA protection class IP IP40 • of the enclosure IP40 • of the terminal IP20 shock resistance isuusoidal half-wave 15g / 11 ms • of railway applications according to EN 61373 Category 1, Class B operating ported typical 100 000 h reference code according to EC 80068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating ported typical 100 000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 operating ported typical 100 000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 operating portidy typical 24 V - at 60 Hz rated value 6 24 V	product type designation	3SU1		
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• light source Yes • series resistor No insulation voltage rated value 320 V idegree of pollution 3 type of voltage of the operating voltage AC/DC • for actuation AC/DC • or actuation AC/DC surge voltage resistance rated value 4 kV consumed current maximum 30 mA protection class IP IP40 • of the enclosure IP40 • of the terminal IP20 shock resistance IP40 • or railway applications according to EN 61373 Category 1, Class B vibration resistance - • or railway applications according to EN 61373 Category 1, Class B vibration resistance - • or railway applications according to EN 61373 Category 1, Class B operating period typical 100500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating voltage - at AC - at 50 Hz rated value 6 24 V - - at 60 Hz rated value 6 24 V - - at 60 Hz rated value </th <th>• diode</th> <th>Yes</th>	• diode	Yes		
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• for actuation AC/DC surge voltage resistance rated value 4 kV consumed current maximum 30 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 60068-2-6 10 500 Hz: 5g • 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 6 24 V • at AC - at 50 Hz rated value 6 24 V • at AC - at 60 Hz rated value 6 24 V • at AC - at 60 Hz rated value 6 24 V	degree of pollution	3		
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• of the enclosureIP40• of the terminalIP20shock resistanceIP20• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance0 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating period typical10 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating period typical100 000 hreference code according to IEC 81346-2PSubstance Prohibitance (Date)10/01/2014operating voltage-• at AC at 50 Hz rated value6 24 V• at DC rated value20 %relative positive tolerance of the operating voltage20 %control circuit/ Control20 %inrush current maximum2 AConnections/ Terminals_	consumed current maximum	30 mA		
• 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 resistance-• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating period typical100 000 hreference code according to IEC 81346-2PSubstance Prohibitance (Date)10/01/2014operating voltage-• at AC at 50 Hz rated value6 24 V• at 0C rated value6 24 V• at 0C rated value6 24 V• at 0C rated value6 24 V• at 0D rated value70 %• at 0D rated value70 %• at 0D rated value70 %• at 0D rated value </th <th>protection class IP</th> <th></th>	protection class IP			
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• 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 00 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 operating voltage - • at AC - - at 50 Hz rated value 6 24 V • at DC rated value 6 24 V • at DC rated value 6 24 V relative positive tolerance of the operating voltage 20 % control circuit/ Control 20 % formetions/Terminals 2 A	shock resistance			
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• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating period typical100 000 hreference code according to IEC 81346-2PSubstance Prohibitance (Date)10/01/2014operating voltage-• at AC at 50 Hz rated value6 24 V- at 60 Hz rated value6 24 V• at DC rated value6 24 V• at DC rated value6 24 V• at DC rated value20 %relative positive tolerance of the operating voltage20 %Control circuit/ Control2 AConnections/ Terminals2 A	 for railway applications according to EN 61373 	Category 1, Class B		
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operating period typical100 000 hreference code according to IEC 81346-2PSubstance Prohibitance (Date)10/01/2014operating voltage • at AC6 24 V- at 50 Hz rated value6 24 V- at 60 Hz rated value6 24 Ve at DC rated value6 24 Vrelative positive tolerance of the operating voltage20 %Control circuit/ Control2 AConnections/ Terminals2 A	 according to IEC 60068-2-6 	10 500 Hz: 5g		
reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 operating voltage - at AC - at 50 Hz rated value 6 24 V - at 60 Hz rated value 6 24 V • at DC rated value 6 24 V relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control 2 A	 for railway applications according to EN 61373 	Category 1, Class B		
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at 60 Hz rated value 6 24 V • at DC rated value 6 24 V relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control 20 % inrush current maximum 2 A Connections/ Terminals 2	• at AC			
• at DC rated value 6 24 V relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control 20 % inrush current maximum 2 A Connections/ Terminals 2	— at 50 Hz rated value	6 24 V		
relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control 20 % inrush current maximum 2 A Connections/ Terminals 20 %	— at 60 Hz rated value	6 24 V		
relative negative tolerance of the operating voltage 20 % Control circuit/ Control 20 % inrush current maximum 2 A Connections/ Terminals 20 %	 at DC rated value 	6 24 V		
Control circuit/ Control inrush current maximum 2 A Connections/ Terminals	relative positive tolerance of the operating voltage	20 %		
inrush current maximum 2 A Connections/ Terminals	relative negative tolerance of the operating voltage	20 %		
Connections/ Terminals	Control circuit/ Control			
	inrush current maximum	2 A		
	Connections/ Terminals			
type of electrical connection screw-type terminals	type of electrical connection	screw-type terminals		
type of connectable conductor cross-sections	type of connectable conductor cross-sections			
• solid with core end processing 2x (0.5 0.75 mm ²)	 solid with core end processing 	2x (0.5 0.75 mm²)		

for AWG cables tightening torque with scree Lamp type of light source color of the light source	core end processing but core end processing		2x (0.9 2x (1,0 2x (18	0 1.5 mm²) 5 1.5 mm²) 0 1,5 mm²) 3 14)			
finely stranded without for AWG cables tightening torque with scree Lamp type of light source color of the light source	put core end processing		2x (1,0 2x (18	0 1,5 mm²)			
for AWG cables tightening torque with scree Lamp type of light source color of the light source			2x (18				
tightening torque with scre Lamp type of light source color of the light source	w-type terminals			3 14)			
Lamp type of light source color of the light source	w-type terminals		0.8	2x (18 14)			
type of light source color of the light source			0.8 0.9 N·m				
color of the light source							
			LED				
light intensity			green				
light intensity		900 1 400 mcd					
certificate of suitability							
	• ATEX		No				
IECEx			No				
Ambient conditions							
ambient temperature							
 during operation 		-25 +70 °C					
 during storage 			-40	+80 °C			
environmental category du 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/ dim	nensions						
fastening method							
 of modules and acce 	 of modules and accessories 		Front	plate mounting			
height			33.2 mm				
width			9.8 mi	m			
depth			29.4 n	nm			
suitability for integration							
 plastic enclosure 			Yes				
 metal enclosure 			Yes				
Certificates/ approvals							
General Product Approv	al				EMC	Declaration of Con- formity	
		-			-		
(SF)	<u>Confirmation</u>	Ŵ		EHC	RCM	CE EG-Konf.	
Declaration of Con- formity	Test Certificates			Marine / Shipping			
UK CA	<u>Special Test Certific-</u> <u>ate</u>	Type Test Cert ates/Test Rep	<u>tific-</u> port	ABS	Lloyd's Register LRS	PRS	
Marine / Shipping	other	Environment					
RINA	Confirmation	Environmental (firmations	<u>Con-</u>				
Further information Siemens has decided to https://press.siemens.com/	exit the Russian mark	et (see here). / <u>siemens-w</u> ind-do	<u>wn-r</u> uss	ian-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

com/cs/ww/en/view/109813875 https://support.industry.sien

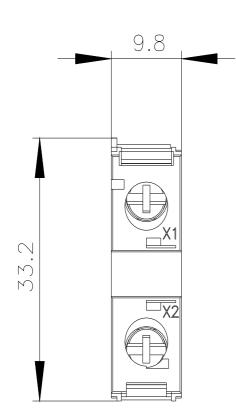
Information- and Downloadcenter (Catalogs, Brochures,...)

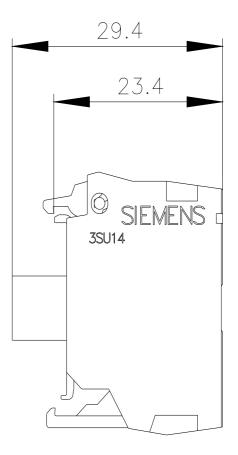
https://www.siemens.com/ic10

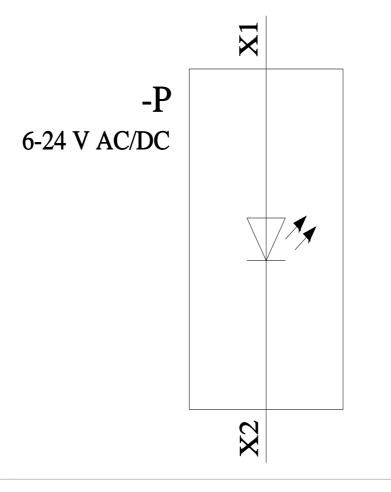
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BG40-1AA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BG40-1AA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BG40-1AA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BG40-1AA0&lang=en







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