SIEMENS

Data sheet

3SU1401-2BG40-1AA0



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

module brand name	SIRIUS ACT
product brand name	LED module
product designation	3SU1
product type designation General technical data	3301
product component	N.
• 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	30 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	
• 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	
inrush current maximum	2 A
Connections/ Terminals	
type of electrical connection	
	screw-type terminals
type of connectable conductor cross-sections	screw-type terminals

 finely stranded with core end processing finely stranded without core end processing for AVG cables 2x (1.01, 5 mm²) for AVG cables 2x (1.01, 5 mm²) for AVG cables 2x (1.01, 5 mm²) 2x (1.01, 5 mm²)<th></th><th></th><th></th><th></th><th></th><th></th><th></th>							
• finely stranded without core end processing 2x (1.01,5 mm²) • or AVG cables 2x (1.01,5 mm²) • br AVG cables 0.8 m. • or AVG cables green • upt intensity 900 1400 mod • certificate of suitability • 1400 mod • ATEX No • ECEX No • ECEX No • environmental category during operation according to IEC GMG, 352, 352, 3C3, 3K6 (with relative air humidity of 10 95%, no • of noclules and accessories Floor mounting • fastering method 33.2 mm • of noclules and accessories Floor mounting • leight integration 29.4 mm • lastice enclosure Yes • matel enclosure Yes • matel enclosure Yes • matel enclosure Yes • matel enclosure Yes • efficient / Sh				2x (1.0 1.5 mm ²)			
• for AWG cables 2x (18 14) tightening torque with screw-type terminals 0.8 0.9 N·m amp ype of light source color of the light source green color of the light source green iight inonsity 900 1400 mcd e.TEX No No No mbient conditions 25 +70 °C • during storage -40 +80 °C environmental category during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC Storage and the light in the lative air humidity of 10 95%, no condensation in operation permitted) stallation/mounting/ dimensions Floor mounting fatesining method • of modules and accessories • of modules and accessories Floor mounting • plastic enclosure Yes • metal enclosure Yes	-						
tightening torque with screw-type terminals 0.8 0.9 N m imp type of light source cord of the light source green light intensity Source certificate of suitability ATEX No	-	ut core end processir	g				
imp IED type of light source green green 900 1 400 mcd certificate of suitability 900 1 400 mcd early in itensity 900 1 400 mcd certificate of suitability No early in itensity 900 1 400 mcd certificate of suitability No early in itensity No i ECEx No mbiont conditions -25 +70 °C ambient temperature -40 +80 °C eduring storage -40 +80 °C environmental category during operation according to IEC 3M6, 352, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted) estallation mounting/ dimensions Floor mounting fastening method e of modules and accessories e of modules and accessories Floor mounting e of modules and accessories Ploor mounting e of modules and accessories Floor mounting e of modules and accessories Ploor mounting e of modules and accessories Ploor mounting e of modules and accessories Yes ortificates/ approvals Yes							
type of light source LED color of the light source green light intensity 900 1 400 mcd extributes No nblent conditions No ambient emperature -25 +70 °C - during sorage -40 +80 °C environmental category during operation according to IEC 306, 352, 382, 303, 3K6 (with relative air humidity of 10 95%, no cordensation in operation permitted -25 +70 °C - during storage -40 +80 °C environmental category during operation according to IEC 306, 352, 382, 303, 3K6 (with relative air humidity of 10 95%, no cordensation in operation permitted -25 +70 °C - of modules and accessories Floor mounting fastening method -9 # mm e of modules and accessories Floor mounting height 33.2 mm width 9.8 mm 29.4 mm 29.4 mm suitability for integration Yes e netal enclosure Yes entil cates/ approvals General Product Approval General Product Approval Image: Confirmation Uppe: Test Certific: ates/Test Report Special Test Certific: ate formity Type Test Certific: ates/Test Report Special Test Certific: ate	ening torque with screw	v-type terminals		0.8 0.9 N·m			
green green light intensity 900 1 400 mcd certificate of suitability 900 1 400 mcd ATEX No ATEX No ambient conditions -25 +70 °C ambient conditions -40 +80 °C ambient conditions -25 +70 °C -40 +80 °C -40 +80 °C athing operation -25 +70 °C -40 +80 °C -40 +80 °C stallation/ mounting operation according to IEC 3M6, 352, 382, 3C3, 3K6 (with relative air humidity of 10 95%, no 60721 3M6, 352, 382, 3C3, 3K6 (with relative air humidity of 10 95%, no stallation/ mounting/ dimensions -40 +80 °C fastening method -0 formounting of modules and accessories Floor mounting height 33 2 mm width 9.8 mm 29.4 mm suitability for integration of modules and accessories Yes entile enclosure Yes entile enclosure Yes entile enclosure Yes entile deformation General Product Approval General Product Approval Image: Stallage:							
tight intensity 900 1 400 mcd certificate of suitability ATEX Attex	of light source			LED			
cortificate of suitability ATEX BCEX No No<td>r of the light source</td><td></td><td></td><td>0</td><td></td><td></td><td></td>	r of the light source			0			
ATEX No Bior Bior Action Act				900 1 400 mcd			
• IECEx No mblent conditions ambient temperature -25 +70 °C • during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC 3M6, 352, 352, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted) stallation/ mounting/ dimensions Floor mounting fastening method 9.8 mm • of modules and accessories Floor mounting height 33.2 mm width 9.8 mm edepth 29.4 mm suitability for integration • jastic enclosure • imetal enclosure Yes entile enclosure Yes <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
mblent conditions amblent temperature • during operation • during storage • of modules and accessories Floor mounting • of modules and accessories Floor mounting • of modules and accessories Floor mounting • plastic enclosure • plastic enclosure • plastic enclosure • plastic enclosure • metal enclosure							
ambient temperature -25 +70 °C • during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC 3M6, 352, 382, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted) stallation/ mounting/ dimensions	-			No			
• during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC 3M6 (s32, 382, 3C3, 385 (with relative air humidity of 10 95%, no condensation in operation permitted) stallation/ mounting/ dimensions Floor mounting fastening method • of modules and accessories • of modules and accessories Floor mounting height 33.2 mm width 9.8 mm elastic enclosure Yes • inetal enclosure Yes entificates/ approvals EMC Declaration of Con-formity Confirmation formity Test Certificates Declaration of Con-formity Type Test Certific ate formity Special Test Certific ate			_		_		_
• during storage -40 +80 °C anvironmental category during operation according to IEC 3M6, 352, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted) stallation/ mounting/ dimensions Floor mounting astening method • of modules and accessories • of modules and accessories Floor mounting meight 33.2 mm width 9.8 mm Jepth 29.4 mm suitability for integration Yes • indices approvals Yes General Product Approval Yes Confirmation Yes utability for integration Yes • indices/ approvals EMC Declaration formity Declaration of Con- formity Confirmation EMC Declaration formity Up E Test Certificates Special Test Certificates Marine / Shipping	-						
environmental category during operation according to IEC b0721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted) tatalation/ mounting/ dimensions tatalation/ dimensi dimensions tatalation/ dimensions tatalation/ dimensi	÷ .						
S0721 condensation in operation permitted) statilation/ mounting/ dimensions astening method • of modules and accessories reight 33.2 mm width 9.8 mm suitability for integration • plastic enclosure • metal enclosure • metal enclosure Yes • metal enclosure • metal enclosure • Confirmation Operation Operation • metal enclosure Yes Confirmation Confirmation Confirmation Confirmation Test Certificates Marine / Shipping							
tastellation/ mounting/ dimensions fastening method of modules and accessories Floor mounting 33.2 mm 33.2 mm 33.2 mm 9.8 mm 29.4 mm suitability for integration oplastic enclosure Yes metal enclosure Yes ontil centosure Yes ontellenclosure Yes ontil centosure Yes ontellenclosure tence tence tence Declaration of Con- test Certific-		ing operation accordi	ng to IEC			numidity of 10 95%, no	
fastening method • of modules and accessories Floor mounting height 33.2 mm width 9.8 mm depth 29.4 mm suitability for integration • plastic enclosure • plastic enclosure Yes • metal enclosure Yes • metal enclosure Yes entel enclosure Yes officiates/ approvals EMC Declaration formity Confirmation Output EMC Declaration formity Declaration of Conformity Test Certificates Marine / Shipping Upper Test Certificates Office Type Test Certificates Special Test Certificate Opper Test Certificate Opper Test Certificate		ensions		condensation in oper	ation permitted)		
• of modules and accessories Floor mounting height 33.2 mm width 9.8 mm depth 29.4 mm suitability for integration 9.8 mm • plastic enclosure Yes • metal enclosure Yes • orditices/ approvals EMC Declaration formity General Product Approval EMC Declaration formity Excertificates Marine / Shipping EXCM Declaration of Con- formity Type Test Certificates Marine / Shipping C € € Type Test Certificates Special Test Certificates Image: Comparison of Contest Certificates							
neight 33.2 mm width 9.8 mm depth 29.4 mm suitability for integration 29.4 mm e plastic enclosure Yes e metal enclosure Yes confirmation Yes Confirmation EMC Declaration of Conformity Test Certificates formity Type Test Certificates ates/Test Report Special Test Certificate ates/Test Report Special Test Certificate	÷	ssories		Floor mounting			
width 9.8 mm depth 29.4 mm suitability for integration 29.4 mm • plastic enclosure Yes • metal enclosure Merine / Shipping • fell ates/Test Report • metal enclosure ites/Test Report		3301103					
depth 29.4 mm suitability for integration plastic enclosure metal enclosure metal enclosure rest rest general Product Approval Confirmation Confirmation UL EMC Declaratio formity Confirmation Test Certificates ate Marine / Shipping Image: Special Test Certificate Special Test Certificate ate Image: Special Test Certificate Image: Special Test Certificate							
suitability for integration • plastic enclosure Yes • metal enclosure Yes • metal enclosure Yes errificates/ approvals EMC Declaration formity General Product Approval EMC Declaration formity Confirmation Image: Confirmation formity Image: Confirmation formity Image: Confirmation formity Declaration of Conformity Test Certificates Marine / Shipping Image: Confirmation formity Image: Confirmation of Conformity Test Certificates Special Test Certificates Image: Confirmation formity Image: Confirmation of Conformity Test Certificates Special Test Certificates Image: Confirmation formity							
• plastic enclosure Yes • metal enclosure Yes entificates/ approvals EMC Declaration formity General Product Approval EMC Declaration formity Confirmation Image: Confirmation formity Image: Confirmation formity Image: Confirmation formity Declaration of Conformity Test Certificates Marine / Shipping Image: Confirmation formity Image: Confirmation formity Type Test Certificates Special Test Certificate Image: Confirmation formity Image: Confirmation formity Type Test Certificates Special Test Certificate Image: Confirmation formity				20.11111			
				Yes			
errificates/ approvals General Product Approval EMC Declaration formity Confirmation Confirmation Effic Effic Declaration formity Effic Confirmation Effic Effic <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
General Product Approval EMC Declaration formity Confirmation Confirmation EMC EMC <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
formity Test Certific- ates/Test Report Ate Ate Ate Ate Ate Ate Ate Ate Ate At	(SP)	<u>Confirmation</u>		EA			
CE ates/Test Report ate Register		est Certificates		Marine / Shi	pping		
	CE			tific-	keg v	vds ister is PRS	
Marine / Shipping other Environment	ine / Shipping o	ther	Environment				
Confirmation Environmental Con- firmations		Confirmation		ion-			
urther information	RINA						
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business							

Information on the packaging

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

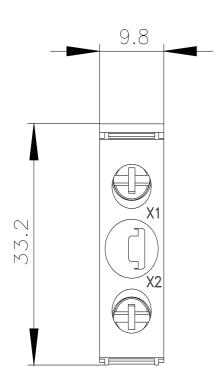
Information- and Downloadcenter (Catalogs, Brochures,...)

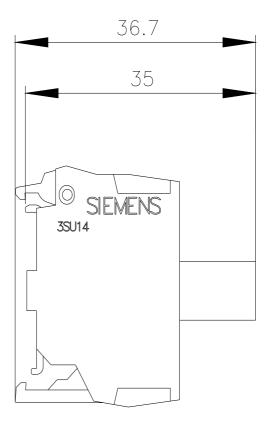
https://www.siemens.com/ic10

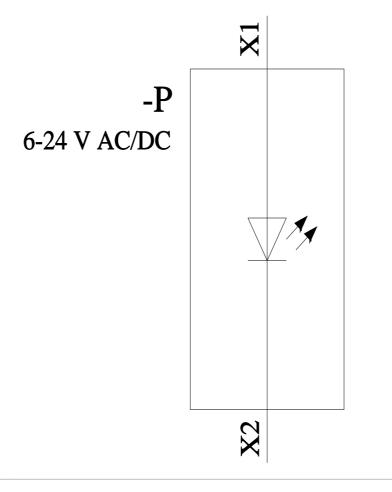
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-2BG40-1AA0

Cax online generator

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







last modified:

3/9/2022 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens: 3SU14012BG401AA0