## 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	
<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
vibration resistance	
<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g
<ul> <li>for railway applications according to EN 61373</li> </ul>	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

<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>for AVG cables</li> <li>2x (1.01, 5 mm²)</li> <li>for AVG cables</li> <li>2x (1.01, 5 mm²)</li> <li>for AVG cables</li> <li>2x (1.01, 5 mm²)</li> <li>2x (1.01, 5 mm²)<th></th><th></th><th></th><th></th><th></th><th></th><th></th></li></ul>							
• 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 <sup>2</sup> )			
• 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 <ul> <li>ATEX</li> <li>BCEX</li> <li>No</li> <li>No<td>r of the light source</td><td></td><td></td><td>0</td><td></td><td></td><td></td></li></ul>	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 <ul> <li>of modules and accessories</li> <li>Floor mounting</li> <li>33.2 mm</li> <li>33.2 mm</li> <li>33.2 mm</li> <li>9.8 mm</li> <li>29.4 mm</li> <li>suitability for integration             <li>oplastic enclosure</li> <li>Yes</li> <li>metal enclosure</li> <li>Yes</li> <li>ontil centosure</li> <li>Yes</li> <li>ontellenclosure</li> <li>Yes</li> <li>ontil centosure</li> <li>Yes</li> <li>ontellenclosure</li> <li>tence</li> <li>tence</li> <li>tence</li> </li></ul> <li>Declaration of Con-                  <ul> <li>test Certific-</li></ul></li>		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 <ul> <li>plastic enclosure</li> <li>metal enclosure</li> <li>metal enclosure</li> <li>rest</li> <li>rest</li> <li>general Product Approval</li> <li>Confirmation</li> <li>Confirmation</li> <li>UL</li> <li>EMC</li> <li>Declaratio formity</li> <li>Confirmation</li> <li>Test Certificates</li> <li>ate</li> <li>Marine / Shipping</li> <li>Image: Special Test Certificate</li> <li>Special Test Certificate</li> <li>ate</li> <li>Image: Special Test Certificate</li> <li>Image: Special Test Certificate</li></ul>							
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

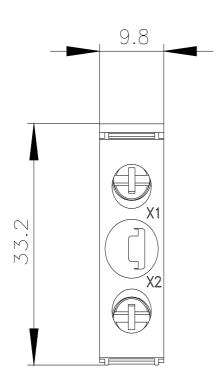
Information- and Downloadcenter (Catalogs, Brochures,...)

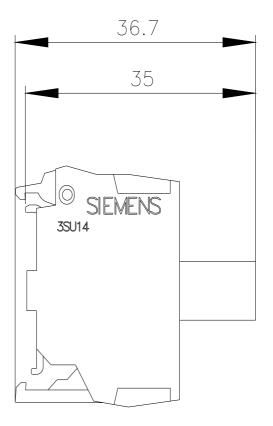
https://www.siemens.com/ic10

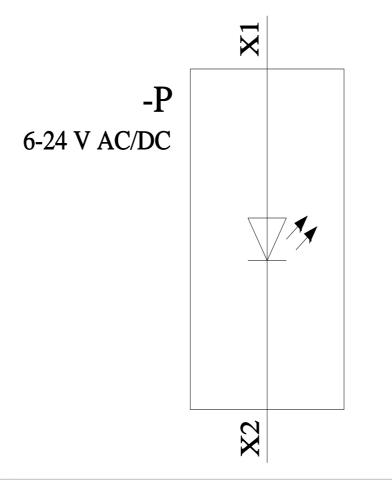
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-2BG40-1AA0

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