SIEMENS

Data sheet

3SU1401-2BG60-1AA0-Z X90

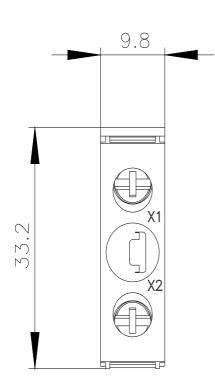


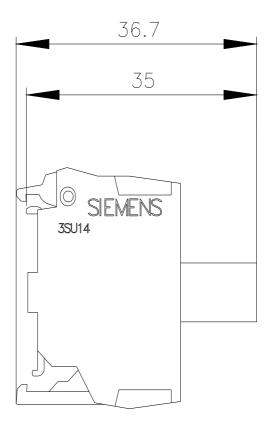
LED module with integrated LED 6-24 V AC/DC, white, screw terminal, for floor mounting, Z=50-unit packaging

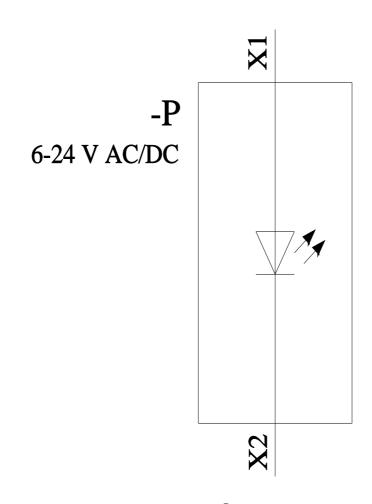
product brand name SIRUS ACT product disignation LED module product disignation 3SU1 General technical data - product component - • diode Yes • lamp transformer No • light source Yes • series resistor No insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC • for actuation AC/DC • of ractuation AC/DC • of or actuation AC/DC • of or actuation AC/DC • of or actuation AC/DC • of the enclosure IP40 • of the terminal IP20 shock resistance - • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-26 10 500 Hz: 5g • or railway applications according to EN 61373 Category 1, Class B operating period typical 100 woot h • reference of according to IEC 81346-2		
product type designation 3SU1 General technical data product component Ves elidode Yes iamp transformer No ilight source Yes is relise resistor No insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC of ractuation AC/DC surge voltage resistance rated value 4 kV consumed current maximum 30 mA protection class IP IP40 of the terminal IP20 shock resistance IP40 according to IEC 60068-2-27 Stool H2: 5g of the terminal IP20 shock resistance Inumous applications according to EN 61373 operating to IEC 60068-2-6 100 -500 H2: 5g operating period typical 100 000 h operating period typical 100 000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 624 V operating voltage 6	product brand name	SIRIUS ACT
General technical data product component • diode • lamp transformer • light source • series resistor • loge of pollution 3 type of voltage resistance rated value • of the operating voltage • of reactuation surge voltage resistance rated value • of the enclosure • of the terminal protection class IP • of the terminal ison rativay applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-61 • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B operating period typical 10 500 Hz: 5g • for railway applications according to EN 61376-2 Substance Prohibitance (Date) 03/01/2017 operating voltage • at AC - at 60 Hz: rated value • at AC - at 60		-
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• diodeYes• lamp transformerNo• lamp transformerNo• light sourceSerees resistor• seres resistorNoinsulation voltage rated value320 Vdegree of pollution3(type of voltage of the operating voltageAC/DC• for actuationAC/DCsurge voltage resistance rated value4 kVconsumed current maximum30 mAprotection class IPIP40• of the enclosureIP40• of the enclosureIP40• of the enclosureIP40• for railway applications according to EN 61373Category 1, Class Bvibration resistance10500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating period typical100 000 hreference code according to IEC 81346-2PSubstance Prohibitance (Date)03/01/2017operating period typical6 24 V• at AC6 24 V• at Crated value6 24 V• at DC rated value6 24 V• at Crated value6 24 V• at Crated value20 %relative negative tolerance of the operating voltage20 %relative negative tolerance of the operating voltage20 %relative negative tolerance of the operating voltage20 %connections/Terminals2Atopo electrical connectionscrew-type terminals	General technical data	
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• 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) 03/01/2017 operating voltage	 lamp transformer 	No
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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 resistanceIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	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)03/01/2017operating 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 Corrot circuit/ Control20 %relative positive tolerance of the operating voltage20 %control circuit/ Control2 Aturnsh current maximum2 Aconnections/ Terminalsscrew-type terminals	protection class IP	
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operating period typical100 000 hreference code according to IEC 81346-2PSubstance Prohibitance (Date)03/01/2017operating voltage	 according to IEC 60068-2-6 	10 500 Hz: 5g
reference code according to IEC 81346-2 P Substance Prohibitance (Date) 03/01/2017 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 % Control circuit/ Control 20 % inrush current maximum 2 A Connections/ Terminals screw-type terminals	 for railway applications according to EN 61373 	Category 1, Class B
Substance Prohibitance (Date) 03/01/2017 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 % Control circuit/ Control 20 % inrush current maximum 2 A Connections/ Terminals screw-type terminals	operating period typical	100 000 h
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• 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 screw-type terminals type of electrical connection screw-type terminals	— 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 screw-type terminals type of electrical connection screw-type terminals	— 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 2 x type of electrical connection screw-type terminals	at DC rated value	6 24 V
Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection screw-type terminals		20 %
inrush current maximum 2 A Connections/ Terminals	relative negative tolerance of the operating voltage	20 %
Connections/ Terminals type of electrical connection screw-type terminals	Control circuit/ Control	
type of electrical connection screw-type terminals	inrush current maximum	2 A
	Connections/ Terminals	
	type of electrical connection	screw-type terminals
	type of connectable conductor cross-sections	

 solid with core end processing 	2x (0.5 0.75 mm²)	
 solid without core end processing 	2x (1.0 1.5 mm²)	
 finely stranded with core end processing 	2x (0.5 1.5 mm²)	
 finely stranded without core end processing 	2x (1,0 1,5 mm²)	
 at AWG cables 	2x (18 14)	
tightening torque with screw-type terminals	0.8 0.9 N·m	
Lamp		
type of light source	LED	
color of the light source	white	
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 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/ dimensions		
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 	Yes	
 metal enclosure 	Yes	
Certificates/ approvals		
Further information		
Information- and Downloadcenter (Catalogs, Brochures, https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/produc Cax online generator		
http://support.automation.siemens.com/WW/CAXorder/defau		
Service&Support (Manuals, Certificates, Characteristics, FAQs)		

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BG60-1AA0-Z X90 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BG60-1AA0-Z X90&lang=en







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