SIEMENS

Data sheet

3SU1401-2BB30-1AA0

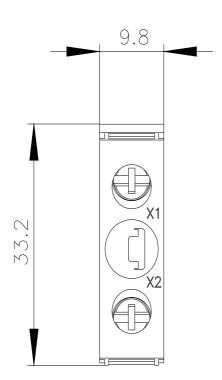


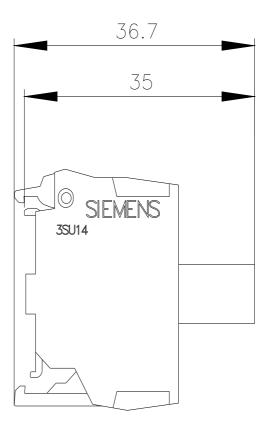
LED module with integrated LED 24 V AC/DC, yellow, screw terminal, for floor mounting, Minimum order quantity 5 or a multiple thereof

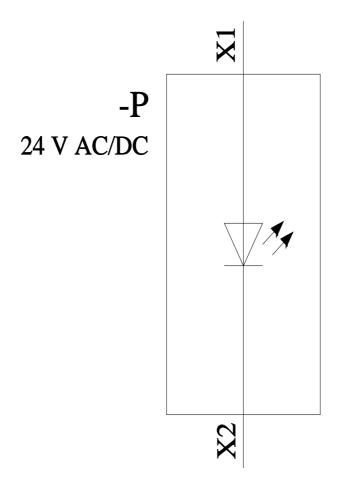
product brand name SIRUS ACT product designation LED module product type designation 3SU1 General technical data		
product type designation 3SU1 General technical data	product brand name	SIRIUS ACT
General technical data product component • diode • lamp transformer • light source • light source • series resistor Insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage • for actuation surge voltage resistance rated value • of the enclosure • according to IEC 60068-2-27 • sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-6 • according to IEC 60068-2-6 • for raliway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 • for raliway applications according to EN 61373 Category 1, Class B operating period typical 10 500 Hz: 5g • according to IEC 60068-2-6 • at AC - at 30 Hz rated value - at 40 - at 30 Hz rated value 24 V - at 40 - at 30 Hz rated value 24 V - at 30 Hz rated value 24 V - at 60 H	product designation	LED module
product component	product type designation	3SU1
• diodeYes• lamp transformerNo• light sourceYes• series resistorNoinsulation voltage rated value320 Vdegree of pollution3(type of voltage of the operating voltageAC/DC• for actuationAC/DCsurge voltage resistance rated value4 kVconsumed current maximum25 mAprotection class IPIP40• of the enclosureIP40• of the enclosureIP40• of the terminalIP20shock resistanceCategory 1, Class Bvibration resistance10500 Hz: 5g• for raliway applications according to EN 61373Category 1, Class Boperating to IEC 60068-2-610500 Hz: 5g• for raliway applications according to EN 61373Category 1, Class Boperating period typical100 000 hreference code according to IEC 81346-2PSubstance Prohibitance (Date)10/01/2014oparting voltage 110/01/2014• at AC24 V- at 50 Hz rated value24 V• at DC rated value24 V• at DC rated value20 %relative negative tolerance of the operating voltage20 %connections/ Terminals2Atope electrical connectionscrew-type terminals	General technical data	
• lamp transformerNo• 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 mAprotection class IPIP40• of the enclosureIP40• of the enclosureIP40• of the enclosureSinusoidal 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 B• portationCategory 1, Class B• portaging priod typical100 00 hreference code according to EN 61373Category 1, Class B• portating priod typical100 00 hreference code according to EN 61373Category 1, Class B• according to IEC 81346-2PSubstance Prohibitance (Date)10/01/2014• at AC at 50 Hz rated value24 V- at 60 Hz rated value24 V- at 60 Hz rated value24 V- at 60 Hz rated value24 V- at 0 Crotol20 %relative negative tolerance of the operating voltage20 %Connoctions/ Terminals2AConnoctions/ Terminals2A	product component	
• 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 • 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 operating period typical 100 000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 operating voltage 1 iat AC • at 50 Hz rated value 24 V • at 0C rated value 24 V • at 0C rated value 24 V • at 0C rated value 20 % relative negative tolerance of the operating voltage 20 % connections/Terminals ZA	• diode	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 - • 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 - • for railway applications according to EN 61373 Category 1, Class B operating period typical 100	 lamp transformer 	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 terminal IP20 shock resistance inusoidal half-wave 15g / 11 ms • of or arilway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance 100 000 h • 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 1 10/01/2014 • at AC - - at 50 Hz rated value 24 V • at OC rated value 24 V • at OC rated value 24 V • at OC rated value	light source	Yes
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 enclosure IP40 • of the terminal IP20 shock resistance IP20 • 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 0 • 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 24 V - at 50 Hz rated value 24 V - at 60 Hz rated value 24 V - at 60 Hz rated value 24 V relative negative tolerance of the operating voltage 20 % Control circuit/ Control 20 %	series resistor	No
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 isusoidal 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 • for railway applications according to EN 61373 Category 1, Class B operating beried typical 10000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 operating voltage 1 e at AC - at 60 Hz rated value 24 V - at 60 Hz rated value 24 V • at DC rated value 24 V • at DC rated value 20 % relative negative tolerance of the operating voltage 20 % control circuit/ control inrush current maximum inrush current maximum 2A Con	insulation voltage rated value	320 V
• 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 IP20 shock resistance IP20 • 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 I0 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 10000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 operating voltage 1 24 V • at AC 24 V - at 60 Hz rated value 24 V • at DC rated value 24 V • at DC rated value 20 % relative negative tolerance of the operating voltage	degree of pollution	3
surge voltage resistance rated value4 kVconsumed current maximum25 mAprotection class IPIP40• of the enclosureIP40• of the terminalIP20shock resistance	type of voltage of the operating voltage	AC/DC
Or med current maximum25 mAprotection 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 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)0/01/2014• at AC at 50 Hz rated value24 V- at 60 Hz rated value24 V- at 60 Hz rated value20 %relative positive tolerance of the operating voltage20 %Control circuit/ Control20 %control circuit/ Control2 Ainrush current maximum2 A	 for actuation 	AC/DC
protection class IP IP40 • of the enclosure IP40 • of the terminal IP20 shock resistance IP20 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 - • 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) 0/00/1/2014 operating voltage 1 - • at AC - - at 50 Hz rated value 24 V - at 50 Hz rated value 24 V e at DC rated value 20 % relative positive tolerance of the operating voltage 20 % control circuit/ Control 20 % control circuit/ Control 2 A	surge voltage resistance rated value	4 kV
IP40• 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 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 124 V- at 50 Hz rated value24 V- at 60 Hz rated value24 V- at 60 Hz rated value24 Vcated value20 %relative positive tolerance of the operating voltage20 %control circuit/ Control2Ainrush current maximum2 Atype of electrical connectionscrew-type terminals	consumed current maximum	25 mA
of the terminalIP20shock resistanceinuscidal 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 110/01/2014• at AC24 V- at 50 Hz rated value24 V- at 60 Hz rated value24 Vet at DC rated value24 Vcontrol circuit/ Control20 %relative positive tolerance of the operating voltage20 %control circuit/ Control2 Ainrush current maximum2 AConnections/ Terminalsscrew-type terminals	protection class IP	
shock 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 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 110/01/2014• at AC at 50 Hz rated value24 V- at 60 Hz rated value24 V• at DC rated value24 V• at DC rated value20 %relative negative tolerance of the operating voltage20 %control circuit/ Control2Ainrush current maximum2 AConnections/ Terminalsscrew-type terminals	of the enclosure	IP40
	of the terminal	IP20
• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• 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 110/01/2014• at AC24 V- at 50 Hz rated value24 V- at 60 Hz rated value24 Ve at DC rated value24 Vcategory to Ierance of the operating voltage20 %Control circuit/ Control20 %Inrush current maximum2 AConnections/ Terminalsscrew-type terminals	shock resistance	
vibration resistanceImage: constraint of the operating voltage• 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 110/01/2014• at AC24 V at 50 Hz rated value24 V at 60 Hz rated value24 Ve at DC rated value24 Vcontrol circuit/ control20 %Control circuit/ controlinrush current maximum2 A2 A20 %Connections/ Terminalstype of electrical connection	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
	 for railway applications according to EN 61373 	Category 1, Class B
• 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 1 • at AC at 50 Hz rated value24 V- at 60 Hz rated value24 V• at DC rated value24 Vrelative positive tolerance of the operating voltage20 %control circuit/ Control20 %inrush current maximum2 Aconnections/ Terminals2 A	vibration resistance	
operating period typical100 000 hreference code according to IEC 81346-2PSubstance Prohibitance (Date)10/01/2014operating voltage 110/01/2014• at AC24 V- at 50 Hz rated value24 V- at 60 Hz rated value24 V• at DC rated value24 VImage: Positive tolerance of the operating voltage20 %control circuit/ Control20 %inrush current maximum2 AConnections/ Terminals20 %	 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 1 - at AC - at 50 Hz rated value 24 V - at 60 Hz rated value 24 V e at DC rated value 24 V relative positive tolerance of the operating voltage 20 % Control circuit/ Control 20 % inrush current maximum 2 A Connections/ Terminals 2 A	 for railway applications according to EN 61373 	Category 1, Class B
Substance Prohibitance (Date) 10/01/2014 operating voltage 1 10/01/2014 • at AC - at 50 Hz rated value - at 60 Hz rated value 24 V • at DC rated value 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
operating voltage 1• at AC- at 50 Hz rated value- at 60 Hz rated value• at DC rated value• at DC rated value24 Vrelative positive tolerance of the operating voltage20 %Control circuit/ Controlinrush current maximum2 AConnections/ Terminalstype of electrical connectionscrew-type terminals	reference code according to IEC 81346-2	P
• at AC - at 50 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 20 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control 20 % inrush current maximum 2 A Connections/ Terminals 2 A	Substance Prohibitance (Date)	10/01/2014
- at 50 Hz rated value24 V- at 60 Hz rated value24 V• at DC rated value24 V• at DC rated value24 Vrelative positive tolerance of the operating voltage20 %relative negative tolerance of the operating voltage20 %Control circuit/ Control20 %inrush current maximum2 AConnections/ Terminals2 Atype of electrical connectionscrew-type terminals	operating voltage 1	
at 60 Hz rated value 24 V • at DC rated value 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	• at AC	
• at DC rated value 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 A type of electrical connection screw-type terminals	— at 50 Hz rated value	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 % type of electrical connection screw-type terminals	— at 60 Hz rated value	24 V
relative negative tolerance of the operating voltage 20 % Control circuit/ Control 2 A inrush current maximum 2 A Connections/ Terminals screw-type terminals type of electrical connection screw-type terminals	at DC rated value	24 V
Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection screw-type 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 type of electrical connection screw-type terminals	Control circuit/ Control	
type of electrical connection screw-type terminals	inrush current maximum	2 A
<u> </u>	Connections/ Terminals	
	type of electrical connection	screw-type terminals

 solid without c finely strandec finely strandec at AWG cable 	e end processing ore end processing d with core end processir d without core end proces s h screw-type terminals	•	2x (1 2x (0 2x (1 2x (1	.5 0.75 mm ²) .0 1.5 mm ²) .5 1.5 mm ²) ,0 1,5 mm ²) 8 14) . 0.9 N·m		
Lamp						
type of light source	2		LED			
color of the light so	Juice		yello			
light intensity			900.	1 400 mcd		
certificate of suitat	onity					
• ATEX			No			
IECEx			No			
Ambient conditions						
ambient temperatu	re					
during operation			-25	+70 °C		
 during storage 			-40	+80 °C		
	ory during operation acc	ording to IFC	3M6	3S2, 3B2, 3C3, 3K6 (w	/ith relative air humidi	tv of 10
60721	ory daming operation add			ensation in operation p		ly of 10 00 /0, 110
Installation/ mountin	a/ dimensions					
fastening method	g-annonono					
•			Ele el			
of modules an	d accessories			mounting		
height			33.2			
width			9.8 n			
depth			29.4	mm		
suitability for integ	ration					
 plastic enclosu 	ure		Yes			
 metal enclosu 	re		Yes			
Certificates/ approva	als					
General Product A	pproval	(UL) UL		EAC		Conformity CE EG-Konf.
Declaration of Conformity	Test Certificates					
				Marine / Shipping		
UK CA	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Ce</u> ates/Test Re		Marine / Shipping	Lloyds Register us	PRS
UK CA Marine / Shipping				Marine / Shipping	Lloyds Negister uts	PRS
CA		ates/Test Re	port	Marine / Shipping	Llovds Register urs	PRS
CA Marine / Shipping	ate	other <u>Environmental</u> <u>firmations</u> gs, Brochures,.	<u>Con-</u> 3	ABS Confirmation		PRS

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