## SIEMENS

## Data sheet

## 3SU1401-2BB30-1AA0

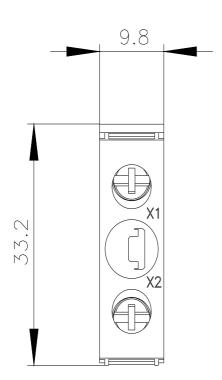


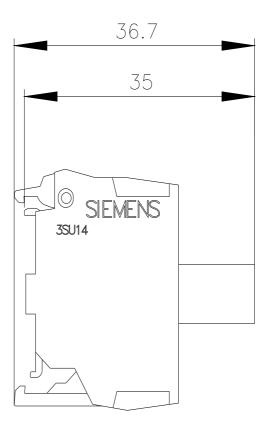
LED module with integrated LED 24 V AC/DC, yellow, screw terminal, for floor mounting, Minimum order quantity 5 or a multiple thereof

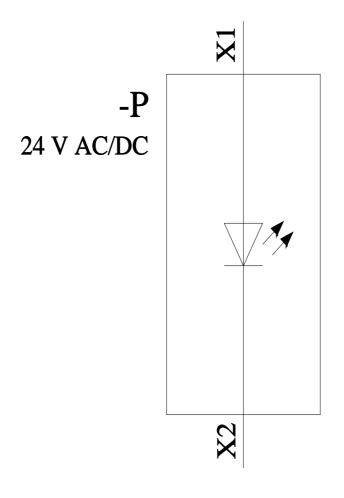
product brand name         SIRUS ACT           product designation         LED module           product type designation         3SU1           General technical data		
product type designation     3SU1       General technical data	product brand name	SIRIUS ACT
General technical data       product component       • 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	<ul> <li>lamp transformer</li> </ul>	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	<ul> <li>for actuation</li> </ul>	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	<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
• 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 %	<ul> <li>according to IEC 60068-2-6</li> </ul>	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	<ul> <li>for railway applications according to EN 61373</li> </ul>	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

<ul> <li>solid without c</li> <li>finely strandec</li> <li>finely strandec</li> <li>at AWG cable</li> </ul>	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 <sup>2</sup> ) .0 1.5 mm <sup>2</sup> ) .5 1.5 mm <sup>2</sup> ) ,0 1,5 mm <sup>2</sup> ) 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		
<ul> <li>during storage</li> </ul>			-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					
<ul> <li>plastic enclosu</li> </ul>	ure		Yes			
<ul> <li>metal enclosu</li> </ul>	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

## Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BB30-1AA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1401-2BB30-1AA0&lang=en







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