## SIEMENS

## Data sheet

## 3SU1400-2CK10-1AA0



LED test module Operating voltage 6-240 V AC/DC, screw terminal, for floor mounting, for LED modules (6-24 V AC/DC, 24 V AC/DC, 24-240 V AC/DC)

product designation         LED test module           product type designation         3SU1           general technical data         ************************************	product brand name	SIRIUS ACT			
General technical data         product component         • diode       Yes         • lamp transformer       No         • light source       No         • light source       No         • 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       0 mA         protection class IP       IP40         • of the enclosure       IP40         • of the enclosure       IP40         • of the terminal       IP20         shock resistance       sinusoidal haff-wave 15g / 11 ms         • according to IEC 60068-2-27       sinusoidal haff-wave 15g / 11 ms         • according to IEC 60068-2-6       10 500 Hz: 5g         • tor railway applications according to EN 61373       Category 1, Class B         opperating peried typical       100 000 h         reference code according to IEC 81346-2       W         Substance Prohibitance (Date)       10/01/2014         operating voltage       12 240 V         - at 60 Hz ra	product designation				
product component	product type designation	3SU1			
• diodeYes• lamp transformerNo• light sourceNo• series resistorNoInsulation voltage rated value320 Vdegree of pollution3type of voltage of the operating voltageAC/DC• for actuationAC/DCsurge voltage resistance rated value4 kVconsumed current maximum0 mAprotection class IPIP40• of the enclosureIP40• of the terminalIP20shock resistanceCategory 1, Class Bvibration resistanceCategory 1, Class Bvibration resistance10 500 Hz: 5g• for raliway applications according to EN 61373Category 1, Class Bvibration resistance10 0000 hreference code according to IEC 81346-2WSubstance Prohibitance (Date)10/01/2014operating voltage12 240 V• at AC1- at 50 Hz rated value12 240 V• at Crated value12 240 V• at Crated value20 %relative positive tolerance of the operating voltage20 %relative negative tolerance of the operating voltage20 %relative negative tolerance of the operating voltage20 %control3.AConnections/ Terminals3AConnections/ Terminalsscrew-type terminals	General technical data				
• lamp transformer       No         • light source       No         • series resistor       No         Insultation 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       0 mA         protection class IP       -         • 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         • for railway applications according to EN 61373       Category 1, Class B         operating period typical       100 00 h         reference code according to IEC 81346-2       W         Substance Prohibitance (Date)       10/01/2014         operating period typical       100 00 h         reference code according to IEC 81346-2       W         Substance Prohibitance (Date)       10/01/2014         operating period typical       100 00 h         reference code according to IEC 81346-2       W         substance Prohibitance (Date)       12 240 V	product component				
• light source       No         • 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         • for actuation       AC/DC         • surge voltage resistance rated value       4 kV         consumed current maximum       0 mA         protection class IP       IP40         • of the terminal       IP20         shock resistance       sinusoidal half-wave 15g / 11 ms         • of the terminal       IP20         shock resistance       sinusoidal half-wave 15g / 11 ms         • of the terminal       IP20         shock resistance       acaregory 1, Class B         • of the terminal       IP20         shock resistance       10 500 Hz: 5g         • for rallway applications according to EN 61373       Category 1, Class B         • operating period typical       100 000 h         reference code according to IEC 81346-2       W         Substance Prohibitance (Date)       10/01/2014         operating voltage       at AC         - at 50 Hz rated value       12 240 V         - at 60 Hz rated value <td< td=""><td>• diode</td><td>Yes</td></td<>	• 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         0 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 raliway applications according to EN 61373         Category 1, Class B           vibration resistance         -           • according to IEC 60068-2-6         10 500 Hz: 5g           • for raliway applications according to EN 61373         Category 1, Class B           operating period typical         100 000 h           reference code according to IEC 81346-2         W           Substance Prohibitance (Date)         10/01/2014           operating voltage         -           • at AC         -           - at 50 Hz rated value         12 240 V           • at AC         -           - at 60 Hz rated value	<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       0 mA         protection class IP       IP40         • of the terminal       IP20         shock resistance       isinusoidal half-wave 15g / 11 ms         • of the terminal       IP20         shock resistance       isinusoidal half-wave 15g / 11 ms         • of the terminal       IP20         shock resistance       isinusoidal half-wave 15g / 11 ms         • of the terminal       IP20         shock resistance       isinusoidal 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       W         Substance Prohibitance (Date)       10/01/2014         operating voltage       at AC         - at 60 Hz rated value       12 240 V         - at 60 Hz	light source	No			
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       0 mA         protection class IP       IP40         • of the enclosure       IP40         • of the terminal       IP20         shock resistance       isusoidal half-wave 15g / 11 ms         • to trailway applications according to EN 61373       Category 1, Class B         vibration resistance       0	series resistor	No			
Impe of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         consumed current maximum       0 mA         protection class IP       0 mA         • of the enclosure       IP40         • of the terminal       IP20         shock resistance       inusoidal half-wave 15g / 11 ms         • of railway applications according to EN 61373       Category 1, Class B         vibration resistance       10 500 Hz; 5g         • according 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       W         Substance Prohibitance (Date)       10/01/2014         operating voltage       12 240 V         - at 60 Hz rated value       12 240 V         - at 60 Hz rated value       12 240 V         • at DC rated value       12 240 V         • at DC rated value       20 %         control circuit/ Control       3A         Control circuit/ Control       3A         Control circuit/ Control       3A         Connections/ Terminals       3A	insulation voltage rated value	320 V			
• for actuation       AC/DC         surge voltage resistance rated value       4 kV         consumed current maximum       0 mA         protection class IP       IP40         • of the enclosure       IP40         • of the terminal       IP20         shock resistance       IP20         shock resistance       inusoidal 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 period typical       100 00 h         reference code according to IEC 81346-2       W         Substance Prohibitance (Date)       10/01/2014         operating voltage       -         • at AC       -         - at 50 Hz rated value       12 240 V         - at 60 Hz rated value       12 240 V         • at DC rated value       20 %         relative positive tolerance of the operating voltage       20 %         control circuit/ Control       -         inrush current maximum       3 A         Connections/ Terminals       screw-type termin	degree of pollution	3			
surge voltage resistance rated value       4 kV         consumed current maximum       0 mA         protection class IP       IP40         • of the enclosure       IP40         • of the enclosure       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       -         • 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       W         Substance Prohibitance (Date)       10/01/2014         operating voltage       12 240 V         - at 50 Hz rated value       12 240 V         - at 60 Hz rated value       12 240 V         • at DC rated value       20 %         Control Circuit/ Control       20 %         friative negative tolerance of the operating voltage       20 %         Connections/ Terminals       3 A	type of voltage of the operating voltage	AC/DC			
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protection class IP       IP40         • of the enclosure       IP40         • of the terminal       IP20         shock resistance       isinusoidal 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       W         Substance Prohibitance (Date)       00/1/2014         operating voltage       -         • at AC       -         - at 50 Hz rated value       12 240 V         - at 60 Hz rated value       12 240 V         • at DC rated value       12 240 V         • at DC rated value       20 %         relative negative tolerance of the operating voltage       20 %         control circuit/ Control       3 A         connections/ Terminals       3 A	surge voltage resistance rated value	4 kV			
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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       W         Substance Prohibitance (Date)       10/01/2014         operating voltage       10/01/2014         • at AC       -         - at 50 Hz rated value       12 240 V         - at 60 Hz rated value       12 240 V         • at DC rated value       12 240 V         • at DC rated value       12 240 V         • at DC rated value       12 240 V         relative positive tolerance of the operating voltage       20 %         control circuit/ Control       20 %         inrush current maximum       3 A         connections/ Terminals       screw-type terminals	<ul> <li>of the enclosure</li> </ul>	IP40			
• 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 period typical       100 000 h         reference code according to IEC 81346-2       W         Substance Prohibitance (Date)       10/01/2014         operating voltage       10/01/2014         • at AC       -         - at 50 Hz rated value       12 240 V         - at 60 Hz rated value       12 240 V         e at DC rated value       12 240 V         relative positive tolerance of the operating voltage       20 %         Control circuit/ Control       3 A         Connections/ Terminals       3 A	of the terminal	IP20			
• 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 81346-2WSubstance Prohibitance (Date)10/01/2014operating voltage-• at AC at 50 Hz rated value12 240 V- at 60 Hz rated value12 240 V• at DC rated value12 240 V• at DC rated value20 %relative positive tolerance of the operating voltage20 %Control circuit/ Control3 AConnections/ Terminalsscrew-type terminals	shock resistance				
vibration resistance       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       W         Substance Prohibitance (Date)       10/01/2014         operating voltage       -         • at AC       -         - at 50 Hz rated value       12 240 V         - at 60 Hz rated value       12 240 V         • at DC rated value       12 240 V         relative positive tolerance of the operating voltage       20 %         Control circuit/ Control       3 A         Connections/ Terminals       screw-type terminals	<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 61373       Category 1, Class B         operating period typical       100 000 h         reference code according to IEC 81346-2       W         Substance Prohibitance (Date)       10/01/2014         operating voltage       -         • at AC       -         - at 50 Hz rated value       12 240 V         - at 60 Hz rated value       12 240 V         • at DC rated value       12 240 V         • at DC rated value       20 %         relative positive tolerance of the operating voltage       20 %         Control circuit/ Control       3 A         Connections/ Terminals       screw-type terminals	vibration resistance				
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reference code according to IEC 81346-2       W         Substance Prohibitance (Date)       10/01/2014         operating voltage       10/01/2014         • at AC       -         - at 50 Hz rated value       12 240 V         - at 60 Hz rated value       12 240 V         • at DC rated value       12 240 V         relative positive tolerance of the operating voltage       20 %         control circuit/ Control       20 %         inrush current maximum       3 A         Connections/ Terminals       screw-type terminals	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B			
Substance Prohibitance (Date)       10/01/2014         operating voltage       -         • at AC       -         at 50 Hz rated value       12 240 V         at 60 Hz rated value       12 240 V         • at DC rated value       12 240 V         relative positive tolerance of the operating voltage       20 %         Control circuit/ Control       20 %         inrush current maximum       3 A         Connections/ Terminals       screw-type terminals	operating period typical	100 000 h			
operating voltage         • at AC         at 50 Hz rated value         at 60 Hz rated value         12 240 V         • at DC rated value         12 240 V         relative positive tolerance of the operating voltage         20 %         Control circuit/ Control         inrush current maximum       3 A         Connections/ Terminals         type of electrical connection       screw-type terminals	reference code according to IEC 81346-2	W			
• at AC         - at 50 Hz rated value         12 240 V           - at 60 Hz rated value         12 240 V           • at DC rated value         12 240 V           • at DC rated value         20 %           relative positive tolerance of the operating voltage         20 %           Control circuit/ Control         20 %           inrush current maximum         3 A           Connections/ Terminals         screw-type terminals	Substance Prohibitance (Date)	10/01/2014			
at 50 Hz rated value12 240 V at 60 Hz rated value12 240 V• at DC rated value12 240 Vrelative positive tolerance of the operating voltage20 %Control circuit/ Control20 %inrush current maximum3 AConnections/ Terminalsscrew-type terminalstype of electrical connectionscrew-type terminals	operating voltage				
at 60 Hz rated value       12 240 V         • at DC rated value       12 240 V         relative positive tolerance of the operating voltage       20 %         relative negative tolerance of the operating voltage       20 %         Control circuit/ Control       3 A         Connections/ Terminals       screw-type terminals         type of electrical connection       screw-type terminals	• at AC				
• at DC rated value       12 240 V         relative positive tolerance of the operating voltage       20 %         relative negative tolerance of the operating voltage       20 %         Control circuit/ Control       20 %         inrush current maximum       3 A         Connections/ Terminals       screw-type terminals         type of electrical connection       screw-type terminals	— at 50 Hz rated value	12 240 V			
relative positive tolerance of the operating voltage       20 %         relative negative tolerance of the operating voltage       20 %         Control circuit/ Control       20 %         inrush current maximum       3 A         Connections/ Terminals       screw-type terminals         type of electrical connection       screw-type terminals	— at 60 Hz rated value	12 240 V			
relative negative tolerance of the operating voltage       20 %         Control circuit/ Control       3 A         inrush current maximum       3 A         Connections/ Terminals       screw-type terminals         type of electrical connection       screw-type terminals	<ul> <li>at DC rated value</li> </ul>	12 240 V			
Control circuit/ Control         inrush current maximum       3 A         Connections/ Terminals         type of electrical connection       screw-type terminals	relative positive tolerance of the operating voltage	20 %			
inrush current maximum     3 A       Connections/ Terminals       type of electrical connection       screw-type 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	3 A			
	Connections/ Terminals				
type of connectable conductor cross-sections	type of electrical connection	screw-type terminals			
	type of connectable conductor cross-sections				

<ul> <li>solid with core and processing</li> </ul>		$2x (0.5 - 0.75 mm^2)$		
<ul> <li>solid with core end processing</li> <li>solid without core end processing</li> </ul>	ng.	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> )		
<ul> <li>finely stranded with core end processing</li> </ul>	0	2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)		
-	-			
<ul><li>finely stranded without core end processing</li><li>at AWG cables</li></ul>		2x (1,0 1,5 mm²) 2x (18 14)		
tightening torque with screw-type terminals		0.8 0.9 N·m		
certificate of suitability		0.0 0.3 N III		
ATEX		No		
• IECEX		No		
Ambient conditions		110		
ambient temperature				
during operation		-25 +70 °C		
		-40 +80 °C		
during storage environmental category during operation according to IEC 60721		-	vith relative air humidity of 1	0 95%, no
Installation/ mounting/ dimensions		condensation in operat		
fastening method				
<ul> <li>of modules and accessories</li> </ul>		Floor mounting		
height		- 36 mm		
width		9.8 mm		
depth		25 mm		
suitability for integration		25 1111		
plastic enclosure		Yes		
metal enclosure		Yes		
Certificates/ approvals		103		
General Product Approval				EMC
<b>()</b>	<u>Confirmati</u>	<sup>ion</sup>	FAC	Ø
Declaration of Conformity CSA Declaration of Conformity CCC UKCA	Test Certific	ates ertific- Special Test Cer	Characteristic Contracteristic	RCM
CE UK	Test Certific	ates ertific- Special Test Cer		RCM
CE UK EG-Konf.	Test Certific	ates ertific- <u>Special Test Cer</u> aport <u>ate</u>	tific- ABS	INS
Kee       Kee         E6-Konf.       Kee         Marine / Shipping       Kee         Ø       Further information	Test Certific: Type Test Ce ates/Test Re	ates ertific- aport Special Test Cer ate  other Confirmation	tific- ABS	<b>REM</b>
EGE       UK         Barine / Shipping         Warine / Shipping         With the second secon	Test Certific: Type Test Ce ates/Test Re	ates ertific- aport Special Test Cer ate  other Confirmation	tific- ABS	INS
Kee       Kee         E6-Konf.       Kee         Marine / Shipping       Kee         Ø       Further information	Test Certific: Type Test Ce ates/Test Re ates/Test Re Catalogs, Brochures, em) //en/en/Catalog/produc n/WW/CAXorder/defau ates, Characteristics, cs/ww/en/ps/3SU1400- D dimension drawing	ates ertific- sport sport ct?mlfb=3SU1400-2CK10- ult.aspx?lang=en&mlfb=3S FAQs,) -2CK10-1AA0 gs, 3D models, device cin	tific: <u>Environmental Con-</u> <u>firmations</u> -1AA0 SU1400-2CK10-1AA0 rcuit diagrams, EPLAN ma	
Estimation       Estimation         Information       Information         Information- and Downloadcenter (of https://www.siemens.com/ic10)       Industry Mall (Online ordering system https://www.siemens.com/ic10)         Industry Mall (Online ordering system https://mall.industry.siemens.com/mall Cax online generator       https://support.automation.siemens.com/mall Cax online generator         https://support.automation.siemens.com/service&Support (Manuals, Certific https://support.industry.siemens.com/service&Support (Manuals, Certific https://support.industry.siemens.com/service&Support.service&Support.service&Support.service&Support.service&Support.service&Support.service&Support.service&Support.service&Suppo	Test Certific: Type Test Ce ates/Test Re ates/Test Re Catalogs, Brochures, em) //en/en/Catalog/produc n/WW/CAXorder/defau ates, Characteristics, cs/ww/en/ps/3SU1400- D dimension drawing	ates ertific- sport sport ct?mlfb=3SU1400-2CK10- ult.aspx?lang=en&mlfb=3S FAQs,) -2CK10-1AA0 gs, 3D models, device cin	tific: <u>Environmental Con-</u> <u>firmations</u> -1AA0 SU1400-2CK10-1AA0 rcuit diagrams, EPLAN ma	

7/9/2022