3SU1400-2CK10-1AA0-Z X90

Data sheet



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), Z=50-unit packaging

product type designation product type designation general technical data product component diode lamp transformer light source series resistor No series resistor No degree of pollution 320 V degree of pollution 330 V degree of pollution 34 V/CC for actuation surge voltage resistance rated value 4 kV consumed current maximum protection class IP of the enclosure of the terminal shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B 10 500 Hz: 5g Category 1, Class B category 1, Class B 10 500 Hz: 5g Category 1, Class B 20 500 Hz: 5g Category 1, Class B 20 500 Hz: 5g Category 1, Class B 10 500 Hz: 5g Category 1, Class B 10 500 Hz: 5g Category 1, Class B 20 4A C at 60 Hz rated value a	product brand name	SIRIUS ACT
General technical data product component • diode • lamp transformer • 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 20 V degree of pollution 3 type of voltage of the operating voltage • for actuation AC/DC surge voltage resistance rated value 4 kV consumed current maximum 9 mA protection class IP • of the enclosure • of the terminal IP20 shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • 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 reference code according to IEC 81346-2 W Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value - at 60 Hz rated value • at DC rated value - at 60 Hz rated va	product designation	LED test module
product component • diode • lamp transformer • light source • series resistor No insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage • for actuation surge voltage resistance rated value consumed current maximum protection class IP • of the enclosure • of the terminal shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • 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 vibration resistance • according to IEC 81346-2 Wibstance Prohibitance (Date) operating period typical reference code according to IEC 81346-2 Wusbtance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage connections/ Terminals type of electrical connection	product type designation	3SU1
idiode ilight source ilight source iseries resistor insulation voltage rated value degree of pollution itype of voltage of the operating voltage if or actuation AC/DC surge voltage resistance rated value consumed current maximum protection class IP if of the enclosure if or alloway applications according to EN 61373 ibror land papilications according to EN 61373 ibror land papilications according to EN 61373 operating voltage if or railway applications according to EN 61373 category 1, Class B if or railway applications according to EN 61373 category 1, Class B if or railway applications according to EN 61373 category 1, Class B if or railway applications according to EN 61373 operating period typical reference code according to IEC 81346-2 Substance Prohibitance (Date) oparating voltage if at AC — at 50 Hz rated value at DC rated value if at DC ra	General technical data	
• lamp transformer • light source • series resistor Insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage • for actuation AC/DC surge voltage resistance rated value 4 kV consumed current maximum 0 mA protection class IP • of the enclosure • of the terminal IP20 shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 category 1, Class B operating period typical 100500 Hz: 5g category 1, Class B operating period typical 100.000 h reference code according to IEC 81346-2 W Substance Prohibitance (Date) • at AC — at 50 Hz rated value • at DC rated value relative positive tolerance of the operating voltage rolative negative tolerance of the operating voltage rolative negative tolerance of the operating voltage control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection	product component	
● series resistor No No No Insulation voltage rated value degree of pollution type of voltage of the operating voltage of or actuation of the enclosure of the enclosure of the terminal shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance of or lailway applications according to EN 61373 vibration resistance of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 vibration resistance according to IEC 81346-2 W Substance Prohibitance (Date) operating period typical operating period typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage at AC — at 50 Hz rated value at DC rated value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals type of electrical connection No ACIDC AC/DC A	diode	Yes
Series resistor insulation voltage rated value degree of pollution type of voltage of the operating voltage of or actuation AC/DC surge voltage resistance rated value of the enclosure of the enclosure of the terminal shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B operating period typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz rated value — at 0 Hz rated value —	 lamp transformer 	No
insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage • for actuation surge voltage resistance rated value consumed current maximum protection class IP • of the enclosure • of the terminal shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 category 1, Class B vibration resistance • according to IEC 60068-2-B • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 80068-2-B • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 80068-2-B • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 80068-2-B • a for railway applications according to EN 61373 Category 1, Class B vibration resistance 100 000 h reference code according to IEC 81346-2 W Substance Prohibitance (Date) og//01/2017 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 relative negative tolerance of the operating voltage control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection	• light source	No
degree of pollution type of voltage of the operating voltage of ra cutuation AC/DC surge voltage resistance rated value consumed current maximum protection class IP of the enclosure of the terminal shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of railway applications according to EN 61373 category 1, Class B vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B vibration resistance according to IEC 60068-2-6 of railway applications according to EN 61373 category 1, Class B vibration resistance according to IEC 81346-2 W Substance Prohibitance (Date) operating voltage at AC - at 50 Hz rated value - at 60 Hz rated value - at 50 rated value - at 50 rated value - at 50 rated value - at 60 Hz rat	series resistor	No
type of voltage of the operating voltage	insulation voltage rated value	320 V
of ractuation surge voltage resistance rated value consumed current maximum protection class IP of the enclosure of the enclosure of the terminal shock resistance oaccording to IEC 60068-2-27 of ro railway applications according to EN 61373 vibration resistance oaccording to IEC 60068-2-6 of ro railway applications according to EN 61373 vibration resistance oaccording to IEC 60068-2-6 of ro railway applications according to EN 61373 category 1, Class B vibration resistance oaccording to IEC 60068-2-6 of ro railway applications according to EN 61373 category 1, Class B vibration resistance oaccording to IEC 81346-2 w substance Prohibitance (Date) operating voltage oat AC	degree of pollution	3
surge voltage resistance rated value consumed current maximum protection class IP of the enclosure of the terminal shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B vibration resistance of railway applications according to EN 61373 category 1, Class B vibration resistance of railway applications according to EN 61373 category 1, Class B vibration resistance of railway applications according to EN 61373 category 1, Class B vibration resistance of railway applications according to EN 61373 category 1, Class B vibration resistance of railway applications according to EN 61373 category 1, Class B vibration resistance of railway applications according to EN 61373 category 1, Class B vibration resistance of railway applications according to EN 61373 category 1, Class B vibration railway applications according to EN 61373 category 1, Class B vibration railway applications according to EN 61373 category 1, Class B vibration railway applications according to EN 61373 category 1, Class B vibration railway applications according to EN 61373 category 1, Class B vibration railway applications according to EN 61373 category 1, Class B vibration railway applications according to EN 61373 category 1, Class B vibration solution to according to EN 61373 category 1, Class B vibration solution to according to EN 61373 category 1, Class B vibration solution to according to EN 61373 category 1, Class B vibration solution to according to EN 61373 category 1, Class B vibration solution to according to EN 61373 category 1, Class B vibration solution to according to EN 61373 category 1, Class B vibration solution to according to EN 61373 category 1, Class B vibration solution to according to EN 61373 category 1, Class B vibration solution to according to EN 61373 vibration solution to according to EN 61373 category 1, Class B vibrati	type of voltage of the operating voltage	AC/DC
consumed current maximum protection class IP of the enclosure of the terminal lp20 shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms category 1, Class B vibration resistance according to IEC 60068-2-6 of railway applications according to EN 61373 category 1, Class B vibration resistance according to IEC 60068-2-6 of railway applications according to EN 61373 category 1, Class B vibration period typical reference code according to IEC 81346-2 W Substance Prohibitance (Date) operating voltage of AC at 50 Hz rated value at AC at 50 Hz rated value at Crated value at DC rated value 20 % control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals	for actuation	AC/DC
protection class IP of the enclosure of the terminal lP20 shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B vibration resistance for railway applications according to EN 61373 category 1, Class B category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage at AC at 50 Hz rated value at 60 Hz rated value at 60 Hz rated value at Crated value at DC rated value at DC rated value 20 % control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection IP40 Invah current maximum IP40 IP20 Invah current maximum IP40 IP40 IP40 IP40 IP40 IP40 IP40 IP40	surge voltage resistance rated value	4 kV
of the enclosure of the terminal iP20 shock resistance according to IEC 60068-2-27 of railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of railway applications according to EN 61373 category 1, Class B vibration resistance according to IEC 60068-2-6 of 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) operating voltage at AC — at 50 Hz rated value — at 50 Hz rated value — at 60 Hz rated value at DC rated value celative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals	consumed current maximum	0 mA
of the terminal shock resistance oaccording to IEC 60068-2-27 of railway applications according to EN 61373 Category 1, Class B vibration resistance oaccording to IEC 60068-2-6 or railway applications according to EN 61373 category 1, Class B vibration resistance oaccording to IEC 60068-2-6 or 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) 03/01/2017 operating voltage oat AC	protection class IP	
shock resistance	 of the enclosure 	IP40
according to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 operating period typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value at DC rated value at DC rated value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage type of electrical connection sinusoidal half-wave 15g / 11 ms Category 1, Class B 10 500 Hz: 5g Category 1, Class B Category 1, Class B 10 500 Hz: 5g Category 1, Class B Category 1, Class B 10 500 Hz: 5g Category 1, Class B 10 500 Hz: 5g Category 1, Class B Category 1, Class	of the terminal	IP20
• for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 operating period typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at DC rated value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage control circuit/ Control inrush current maximum accategory 1, Class B 10 500 Hz: 5g Category 1, Class B 10 500 Hz Category	shock resistance	
vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 category 1, Class B operating period typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at DC rated value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals type of electrical connection	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
according to IEC 60068-2-6 of railway applications according to EN 61373 operating period typical reference code according to IEC 81346-2 W Substance Prohibitance (Date) operating voltage o at AC — at 50 Hz rated value — at 60 Hz rated value — at DC rated value ot DC rated value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection 10 500 Hz: 5g Category 1, Class B Category 1, Class 1, Class 1, Class 2, Class	 for railway applications according to EN 61373 	Category 1, Class B
of railway applications according to EN 61373 operating period typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at DC rated value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage	vibration resistance	
operating period typical reference code according to IEC 81346-2 W Substance Prohibitance (Date) operating voltage • at AC at 50 Hz rated value at 60 Hz rated value 12 240 V • at DC rated value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals	according to IEC 60068-2-6	10 500 Hz: 5g
reference code according to IEC 81346-2 Substance Prohibitance (Date) 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 relative negative tolerance of the operating voltage control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals	 for railway applications according to EN 61373 	Category 1, Class B
Substance Prohibitance (Date) 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 relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection 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 relative negative 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 at 60 Hz rated value at DC rated value at DC rated value 2 240 V relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage 20 % Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals	Substance Prohibitance (Date)	03/01/2017
- 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 relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals	operating voltage	
— at 60 Hz rated value • at DC rated value 12 240 V relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection 12 240 V 20 % 3 A Serew-type terminals	• at AC	
● at DC rated value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection 12 240 V 20 % 3 A	— at 50 Hz rated value	12 240 V
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals	— at 60 Hz rated value	12 240 V
relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals	at DC rated value	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
27	Connections/ Terminals	
type of connectable conductor cross-sections	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
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, 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	36 mm
width	9.8 mm
depth	25 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/product?mlfb=3SU1400-2CK10-1AA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2CK10-1AA0-Z X90

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2CK10-1AA0-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=3SU1400-2CK10-1AA0-Z X90&lang=en

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