3SU1401-1BF40-3AA0-Z X90

Data sheet



LED module with integrated LED 230 V AC, green, spring-type terminal, for front plate mounting, Z=50-unit packaging

product type designation product type designation general technical data product component	product brand name	SIRIUS ACT
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 consumed current maximum protection class IP • of the enclosure • acc. to IEC 60068-2-7 • for rallway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • for rallway applications acc. to DIN EN 61373 category 1, class B vibration resistance • acc. to IEC 60068-2-6 • for fallway applications acc. to DIN EN 61373 category 1, class B operating voltage 1 • at AC — at 50 Hz rated value 230 V relative positive tolerance of the operating voltage relative negative tolerance of step operating voltage rela	product designation	LED module
e diode Yes Alone a lamp transformer No No Alone Series resistor No Alone Misuation voltage rated value Surpe of voltage of the operating voltage AC	product type designation	3SU1
idiode iamp transformer ilight source series resistor No insulation voltage rated value degree of pollution type of voltage of the operating voltage	General technical data	
Islant transformer Ight source Ight source Series resistor Insulation voltage rated value degree of pollution 320 V degree of pollution 33 type of voltage of the operating voltage For actuation AC Surge voltage resistance rated value Consumed current maximum 20 mA protection class IP of the enclosure of the enclosure of the terminal IP20 shock resistance acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance acc. to IEC 60068-2-6 operating period typical reference code acc. to IEC 81346-2 operating period typical reference code acc. to IEC 81346-2 operating period typical reference code acc. to IEC 81346-2 operating voltage 1 at AC at SO Hz rated value 230 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	product component	
• light source • series resistor No insulation voltage rated value degree of pollution type of voltage of the operating voltage • for actuation surge voltage resistance rated value onsumed current maximum of the enclosure • of the enclosure • of the terminal shock resistance • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 vibration produty plical reference code acc. to IEC 81346-2 operating voltage 1 • at AC — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz rated value 20 W 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 yes voltage relative positive tolerance of the operating voltage type of electrical connection yes voltage of the operating voltage AC	diode	Yes
• series resistor No insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC • for actuation AC surge voltage resistance rated value 4 kV consumed current maximum 20 mA protection class IP IP40 • of the enclosure IP40 • of the terminal IP20 shock resistance Sinusoidal half-wave 50g / 11 ms • for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • acc. to IEC 60068-2-6 10 500 Hz: 5g • for railway applications acc. to DIN EN 61373 Category 1, Class B operating period typical 100 000 h reference code acc. to IEC 81346-2 P operating voltage 1 230 V • at AC 230 V — at 50 Hz rated value 230 V — at 60 Hz rated value 20 % relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 %<	 lamp transformer 	No
insulation voltage rated value degree of pollution type of voltage of the operating voltage of or actuation AC surge voltage resistance rated value consumed current maximum protection class IP of the enclosure of the terminal shock resistance acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 of rarilway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 60068-2-6 of rarilway applications acc. to DIN EN 61373 operating period typical reference code acc. to IEC 81346-2 operating voltage 1 at AC — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz 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 spring-loaded terminals spring-loaded terminals	• light source	Yes
type of voltage of the operating voltage	series resistor	No
type of voltage of the operating voltage	insulation voltage rated value	320 V
for actuation AC surge voltage resistance rated value 4 kV consumed current maximum 20 mA protection class IP	degree of pollution	3
surge voltage resistance rated value consumed current maximum protection class IP of the enclosure of the terminal shock resistance acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance of the credible should be	type of voltage of the operating voltage	AC
consumed current maximum protection class IP of the enclosure of the terminal shock resistance acc. to IEC 60068-2-27 of to railway applications acc. to DIN EN 61373 operating period typical reference code acc. to IEC 81346-2 operating voltage 1 at AC — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz 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 IP40 IP40	for actuation	AC
protection class IP of the enclosure of the terminal shock resistance acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 category 1, Class B operating period typical reference code acc. to IEC 81346-2 operating voltage 1 at AC at 50 Hz rated value at 60 Hz rated value at 60 Hz rated value 230 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 spring-loaded terminals	surge voltage resistance rated value	4 kV
of the enclosure of the terminal in p20 shock resistance oacc. to IEC 60068-2-27 of trailway applications acc. to DIN EN 61373 vibration resistance oacc. to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance oacc. to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B operating period typical reference code acc. to IEC 81346-2 operating voltage 1 oat AC oat 50 Hz rated value oat 60 Hz 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 spring-loaded terminals	consumed current maximum	20 mA
of the terminal IP20 shock resistance	protection class IP	
shock resistance acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 category 1, Class B operating period typical reference code acc. to IEC 81346-2 operating voltage 1 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 control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection sinush current acc. to DIN EN 61373 Category 1, Class B 10 500 Hz: 5g Category 1, Class B 20 0000 h P 2230 V 230 V 230 V 230 V 230 V 230 V 3 A Connections/ Terminals	 of the enclosure 	IP40
acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 operating period typical reference code acc. to IEC 81346-2 operating voltage 1 at AC at 50 Hz rated value at 60 Hz rated value at 60 Hz 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 Sinusoidal half-wave 50g / 11 ms Category 1, Class B 10 500 Hz: 5g Category 1, Class B 100 000 h P Category 1, Class B 20 w Category 1, Class B 20 w Category 1, Class B 20 v 20 v 20 v 20 v 20 v Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	of the terminal	IP20
• for railway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 operating period typical reference code acc. to IEC 81346-2 operating voltage 1 • at AC — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz 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 spring-loaded terminals type of electrical connection acc. to DIN EN 61373 10 500 Hz: 5g Category 1, Class B 20 500 Hz: 5g Category 1, Class B 10 500 Hz: 5g Category 1, Class B 100 000 h P Ocategory 1,	shock resistance	
vibration resistance	• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 Category 1, Class B operating period typical reference code acc. to IEC 81346-2 operating voltage 1	 for railway applications acc. to DIN EN 61373 	Category 1, Class B
• for railway applications acc. to DIN EN 61373 Operating period typical 100 000 h reference code acc. to IEC 81346-2 P operating voltage 1 • at AC — at 50 Hz rated value 230 V — at 60 Hz rated value 230 V relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	vibration resistance	
operating period typical reference code acc. to IEC 81346-2 operating voltage 1 • 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 relative receive 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 spring-loaded terminals	• acc. to IEC 60068-2-6	10 500 Hz: 5g
reference code acc. to IEC 81346-2 operating voltage 1 • at AC — at 50 Hz rated value — at 60 Hz rated value 230 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 P 230 V 230 V 20 % 20 % 20 %	 for railway applications acc. to DIN EN 61373 	Category 1, Class B
operating voltage 1	operating period typical	100 000 h
 at AC — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz rated value = 230 V relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage = 20 %	reference code acc. to IEC 81346-2	P
- at 50 Hz rated value 230 V - at 60 Hz rated value 230 V relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	operating voltage 1	
- at 60 Hz 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 spring-loaded terminals	• at AC	
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 spring-loaded terminals	 — at 50 Hz rated value 	230 V
relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	— at 60 Hz rated value	230 V
Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	relative positive tolerance of the operating voltage	20 %
inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	relative negative tolerance of the operating voltage	20 %
Connections/ Terminals type of electrical connection spring-loaded terminals	Control circuit/ Control	
type of electrical connection spring-loaded terminals	inrush current maximum	3 A
	Connections/ Terminals	
	type of electrical connection	spring-loaded terminals

 solid without core end processing 	2x (0.25 1.5 mm²)
 finely stranded with core end processing 	2x (0.25 0.75 mm²)
 finely stranded without core end processing 	2x (0.25 1.5 mm²)
at AWG cables	2x (24 16)
Lamp	
type of light source	LED
color of the light source	green
light intensity	900 1 400 mcd
certificate of suitability	
• ATEX	No
• IECEx	No
Ambient conditions	
 ambient temperature during operation 	-25 +70 °C
ambient temperature during storage	-40 +80 °C
environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95 %, no condensation in operation permitted)
Installation/ mounting/ dimensions	
fastening method	
 of modules and accessories 	Front plate mounting
height	36 mm
width	9.8 mm
depth	29.4 mm
Certificates/ approvals	

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=3SU1401-1BF40-3AA0-Z X90

Cax online generator

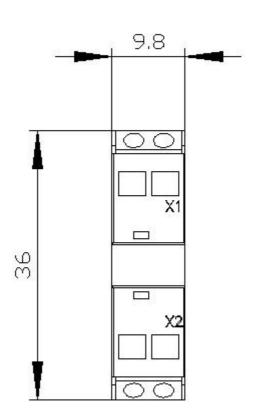
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BF40-3AA0-Z X90

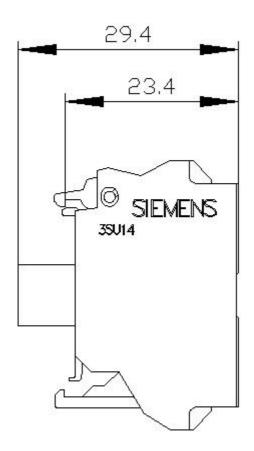
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

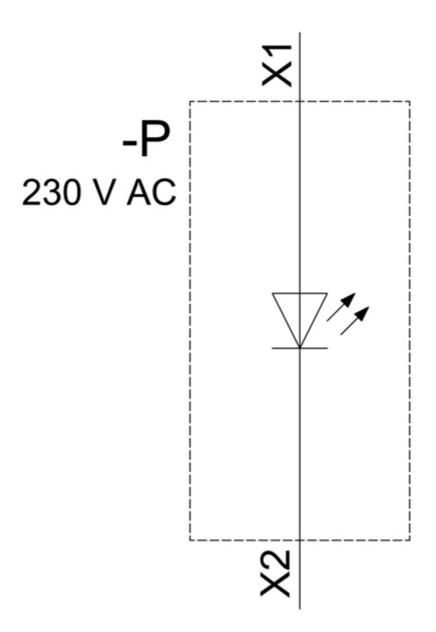
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BF40-3AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BF40-3AA0-Z X90&lang=en







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