SIEMENS

Data sheet



Indicator lights, 22 mm, round, plastic, red, lens, smooth, with holder, LED module, with integrated LED 24 V AC/DC, screw terminal, with laser labeling, lower case

product designation design of the product Complete unit product type designation 3SU1 product type designation 3SU1 product line Plastic, black, 22 mm manufacturer's article number • of supplied LED module • of the supplied LED module • of supplied repeater 3SU1401-18B20-1AAQ • of supplied repeater sultion-SAA20-0AAQ Enclosure number of command points 1 Actuator product extension optional light source color • of the actuating element material of the actuating element product diameter of the actuating element red material of the actuating element outer diameter of the actuating element product component front ring Product component front ring No Holder material of the holder Plastic Display number of LED modules General technical data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value e according to IEC 60068-2-27 e for railway applications according to EN 61373 Category 1, Class B	product brand name	SIRIUS ACT
product type designation product line Plastic, black, 22 mm manufacturer's article number of supplied LED module of the supplied holder of supplied repeater Enclosure number of command points Actuator product extension optional light source of the actuating element material of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element product component front ring product component front ring Plastic Display number of LED modules General technical data product component light source 1 Yes Source Yes Source Yes Plastic Display number of LED modules Ceneral technical data product component light source insulation voltage rated value 320 V degree of pollution 3 surge voltage resistance rated value + kV protection class IP of the terminal lege of protection NEMA rating shock resistance - according to IEC 60068-2-6 • or all way applications according to EN 61373 vibration resistance - according to IEC 60068-2-6 • according to IEC 60068-2-6 10 500 Hz: 5g	product designation	Indicator lights
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number of command points 1 Actuator product extension optional light source Yes color • of the actuating element red material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element Any inscription, text in lower case Front ring product component front ring No Holder material of the holder Plastic Display number of LED modules 1 General technical data product component light source Yes insulation voltage rated value 320 V degree of pollution 3 surge voltage resistance rated value 4 kV protection class IP • of the terminal 1P20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • according to IEC 60068-2-6 10 500 Hz: 5g	 of supplied repeater 	3SU1001-6AA20-0AA0
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outer diameter of the actuating element marking of the actuating element Any inscription, text in lower case Front ring product component front ring No Holder material of the holder Display number of LED modules General technical data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g	material of the actuating element	plastic
marking of the actuating element Front ring product component front ring No Holder material of the holder Display number of LED modules foncial data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value protection class IP of the terminal degree of protection NEMA rating shock resistance e according to IEC 60068-2-6 volume to the terminal should be the foliation of the source sinusoidal half-wave 15g / 11 ms category 1, Class B vibration resistance e according to IEC 60068-2-6 AND inscription, text in lower case Plastic No No Hastic Plastic Yes 1 4 4 KV Protection voltage rated value 4 kV IP20 IP20 IP20 Sinusoidal half-wave 15g / 11 ms Category 1, Class B Vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g	shape of the actuating element	round
Front ring product component front ring No Holder material of the holder Display number of LED modules 1 General technical data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value 4 kV protection class IP of the terminal legree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • according to IEC 60068-2-6 10 500 Hz: 5g	outer diameter of the actuating element	29.45 mm
product component front ring Holder material of the holder Plastic Display number of LED modules 1 General technical data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value of the terminal degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g	marking of the actuating element	Any inscription, text in lower case
Holder material of the holder Plastic Display number of LED modules 1 General technical data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value protection class IP of the terminal lP20 degree of protection NEMA rating 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 10 500 Hz: 5g	Front ring	
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Display number of LED modules General technical data product component light source insulation voltage rated value 320 V degree of pollution 3 surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g	Holder	
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product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value protection class IP if the terminal legree of protection NEMA rating shock resistance according to IEC 60068-2-27 insulation resistance for railway applications according to EN 61373 stock resistance according to IEC 60068-2-6 vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g	Display	
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insulation voltage rated value degree of pollution surge voltage resistance rated value 4 kV protection class IP of the terminal lP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance of according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms of or railway applications according to EN 61373 vibration resistance of according to IEC 60068-2-6 10 500 Hz: 5g	General technical data	
degree of pollution surge voltage resistance rated value protection class IP of the terminal degree of protection NEMA rating the protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance of according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms of or railway applications according to EN 61373 vibration resistance of according to IEC 60068-2-6 10 500 Hz: 5g	product component light source	Yes
surge voltage resistance rated value protection class IP of the terminal degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance of according to IEC 60068-2-6 10 500 Hz: 5g	insulation voltage rated value	320 V
protection class IP of the terminal degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance of according to IEC 60068-2-6 IP20 1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms Category 1, Class B vibration resistance of according to IEC 60068-2-6 10 500 Hz: 5g	degree of pollution	3
● of the terminal degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 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 ● according to IEC 60068-2-6 10 500 Hz: 5g	surge voltage resistance rated value	4 kV
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 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 • according to IEC 60068-2-6 10 500 Hz: 5g	protection class IP	IP66, IP67, IP69(IP69K)
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 • according to IEC 60068-2-6 10 500 Hz: 5g	of the terminal	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 	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g 	shock resistance	
vibration resistance ● according to IEC 60068-2-6 10 500 Hz: 5g	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
• according to IEC 60068-2-6 10 500 Hz: 5g	gg	Sindsoldar hair wave rog / 11 ms
	•	
• for railway applications according to EN 61373 Category 1, Class B	• for railway applications according to EN 61373	
	• for railway applications according to EN 61373 vibration resistance	Category 1, Class B

reference code according to IEC 81346-2	Р
	•
Substance Prohibitance (Date)	10/01/2014
Supply voltage	40/00
type of voltage of the supply voltage of the light source	AC/DC
supply voltage of the light source at AC	
 at 50 Hz rated value 	24 V
at 60 Hz rated value	24 V
at 60 Hz rated value	24 24 V
supply voltage of the light source at DC	
rated value	24 V
rated value	24 24 V
relative negative tolerance of the supply voltage	20 %
relative positive tolerance of the supply voltage	20 %
Control circuit/ Control	
inrush current maximum	2 A
Connections/ Terminals	
type of electrical connection	other
of modules and accessories	Screw-type terminal
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 of the screws in the bracket	1 1.2 N·m
tightening torque with screw-type terminals	0.8 0.9 N·m
Lamp	
type of light source	LED
color of the light source	red
light intensity	450 1 120 mcd
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 for all devices behind front panel)
Installation/ mounting/ dimensions	
fastening method	front plate mounting
of modules and accessories	Front plate mounting
height	40 mm
width	30 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	11.8 mm
installation width	29.5 mm
installation depth	49.7 mm
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=3SU1102-6AA20-1AA0-Z Y12

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1102-6AA20-1AA0-Z\ Y12}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-6AA20-1AA0-Z Y12

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1102-6AA20-1AA0-Z Y12&lang=en

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