## **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, symbol number according to, ISO 7000 or IEC 60417

product designation design of the product product type designation product type designation 3SU1 product lime Plastic, black, 22 mm manufacturer's article number • of supplied LED module • of the supplied repeater • of supplied repeater  sult01-18B20-1AA0 3SU1401-18B20-1AA0 3SU1550-0AA10-0AA0 9SU1001-6AA20-0AA0  **Of supplied repeater  number of command points  1  **Actuator** product extension optional light source color • of the actuating element material of the actuating element shape of the actuating element round outer diameter of the actuating element marking of the actuating element Any inscription, symbol compliant with ISO7000 and IEC60417  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 3 3 **Surge voltage resistance ated value degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 Category 1, Class B  **Category 1, Class B	product brand name	SIRIUS ACT
product tipe designation product line Plastic, black, 22 mm manufacturer's article number of supplied LED module of the supplied holder of supplied repeater  Indicator	product designation	Indicator lights
product line	design of the product	Complete unit
manufacturer's article number  of supplied LED module of the supplied holder of supplied repeater sultations of supplied companies  e of supplied repeater  number of command points  1  Actuator  product extension optional light source of the actuating element material of the actuating element pouter diameter of the actuating element arking of the actuating element product component 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 degree of protection NEMA rating e inc surge su	product type designation	3SU1
of supplied LED module     of the supplied holder     of supplied repeater     of supplied repeater     sulfs50-0AA10-0AA0     sulfs50-0AA10-0AA0      sulfs50-0AA0      sulfs50-0AA10-0AA0      sulfs50-0AA10-0AA0      sulfs50-0AA0      sulfs50-0AA10-0AA0      sulfs50-0AA10-AA0      sulfs50-0AA0      sulfs50-0AA10-AA0      sulfs50-0AA10-AA0      sulfs50-0AA0      sulfs50-0AA0      sulfs50-0AA0      sulfs50-0AA0      sulf	product line	Plastic, black, 22 mm
of the supplied holder     of supplied repeater     assurion-6AA20-0AA0     assurion-6AA20-0AA00     assurion-6AA20-0AA0     assurion-6AA20-0AA00	manufacturer's article number	
• 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  Plastic  Display  number of LED modules  fenoral technical data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value degree of protection NEMA rating shock resistance • according to IEC 60068-2-6  • according to IEC 60068-2-6  1 Ves protects on SEA 250 Hz; 5g  susuous Hz; 5g  susuous Hz; 5g  susuous Hz; 5g  1 mmber of LED modules 1 marking of the component light source 1 material of the holder  Plastic  P	<ul> <li>of supplied LED module</li> </ul>	3SU1401-1BB20-1AA0
Insulation of the actuating element product extension optional light source of the actuating element product extension optional light source of the actuating element plastic shape of the actuating element outer diameter of the actuating element and plastic product component 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 sinsulation voltage rated value as 20 V degree of pollution 3 surge voltage resistance rated value 4 kV protection class IP P66, IP67, IP69(IP69K) IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 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	<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0
number of command points  Actuator product extension optional light source  of the actuating element outer diameter of the actuating element marking of the actuating element marking of the actuating element outer diameter of the actuating element marking of the actuating element Any inscription, symbol compliant with ISO7000 and IEC60417  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 3 surge voltage resistance rated value 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	<ul> <li>of supplied repeater</li> </ul>	3SU1001-6AA20-0AA0
product extension optional light source  color  of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element product extension of the actuating element outer diameter of the actuating element Any inscription, symbol compliant with ISO7000 and IEC60417  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 insulation voltage rated value 320 V  degree of pollution 3 surge voltage resistance rated value protection class IP of the terminal liP20  degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance o according to IEC 60068-2-27 of or railway applications according to EN 61373  vibration resistance o according to IEC 60068-2-6 10 500 Hz: 5g	Enclosure	
product extension optional light source  color  of the actuating element shape of the actuating element outer diameter of the actuating element product component front ring  Holder material of the holder  plastic  No  Plastic  Display number of LED modules  General technical data product component light source insulation voltage rated value surge voltage resistance rated value protection class IP of the terminal degree of protection NEMA rating shock resistance of according to IEC 60068-2-6  over the terminal over the surge voltage resistance of according to IEC 60068-2-6  over the terminal over the the terminal over the the terminal over the terminal	number of command points	1
color  • of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element Any inscription, symbol compliant with ISO7000 and IEC60417  Front ring product component front ring No Holder material of the holder Display number of LED modules feneral technical data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value  protection class IP of the terminal flege of protection NEMA rating shock resistance • according to IEC 60068-2-6  • according to IEC 60068-2-6  10 500 Hz: 5g	Actuator	
• of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element product of the actuating element outer diameter of the actuating element Any inscription, symbol compliant with ISO7000 and IEC60417  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 320 V degree of pollution surge voltage resistance rated value protection class IP of the terminal degree of protection NEMA rating shock resistance • according to IEC 60068-2-6  • according to IEC 60068-2-6  10 500 Hz: 5g	product extension optional light source	Yes
material of the actuating element shape of the actuating element outer diameter of the actuating element outer diameter of the actuating element marking of the actuating element Any inscription, symbol compliant with ISO7000 and IEC60417  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 320 V degree of pollution 3 surge voltage resistance rated value 4 kV protection class IP of the terminal degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6  10 500 Hz: 5g	color	
shape of the actuating element outer diameter of the actuating element product component front ring product component front ring No Holder material of the holder Display number of LED modules front component light source insulation voltage rated value degree of pollution surge voltage resistance rated value of the terminal en of the terminal front ring No  Plastic  Plastic  Plastic  Plastic  Power of LED modules  1  General technical data product component light source insulation voltage rated value degree of pollution 3 surge voltage resistance rated value 4 kV  protection class IP of the terminal en of the terminal en of the terminal en of protection NEMA rating 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	of the actuating element	red
outer diameter of the actuating element  marking of the actuating element  Any inscription, symbol compliant with ISO7000 and IEC60417  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 for the terminal degree of protection NEMA rating shock resistance e according to IEC 60068-2-6  volume 10 Moor Marking Any inscription, symbol compliant with ISO7000 and IEC60417  No  No  No  No  Plastic  Plastic  Plastic  Plastic  Yes  1  4  Ves  1  1  2  4  Front ring No  1  1  1  1  1  1  1  1  1  2  1  2  2	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 degree 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, symbol compliant with ISO7000 and IEC60417
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	Front ring	
material of the holder  Display  number of LED modules  1  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 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 Category 1, Class B  vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g	product component front ring	No
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  Category 1, Class B  vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g	Holder	
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 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	material of the holder	Plastic
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  vibration resistance according to IEC 60068-2-6  according to IEC 60068-2-6  10 500 Hz: 5g	Display	
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 the railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  according to IEC 60068-2-6  10 500 Hz: 5g	number of LED modules	1
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  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	General technical data	
degree of pollution  surge voltage resistance rated value  protection class IP  of the terminal  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	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	a of the terminal	
<ul> <li>according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms</li> <li>for railway applications according to EN 61373 Category 1, Class B</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6 10 500 Hz: 5g</li> </ul>	• or the terminal	IP20
<ul> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6</li> <li>10 500 Hz: 5g</li> </ul>		
vibration resistance  ● according to IEC 60068-2-6 10 500 Hz: 5g	degree of protection NEMA rating	
• according to IEC 60068-2-6 10 500 Hz: 5g	degree of protection NEMA rating shock resistance	1, 2, 3, 3R, 4, 4X, 12, 13
	degree of protection NEMA rating shock resistance • according to IEC 60068-2-27	1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373 Category 1, Class B	degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373	1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms
	degree of protection NEMA rating shock resistance	1, 2, 3, 3R, 4, 4X, 12, 13  sinusoidal half-wave 15g / 11 ms  Category 1, Class B

reference code according to IEC 81346-2	Р
Substance Prohibitance (Date)	10/01/2014
Supply voltage	10/01/2014
	ACIDO
type of voltage of the supply voltage of the light source	AC/DC
supply voltage of the light source at AC	247/
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
<ul> <li>of modules and accessories</li> </ul>	Screw-type terminal
type of connectable conductor cross-sections	
<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm²)
finely stranded with core end processing	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	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	
Turther 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 Y13

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1102-6AA20-1AA0-Z\ Y13}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-6AA20-1AA0-Z Y13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1102-6AA20-1AA0-Z Y13&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1102-6AA20-1AA0-Z Y13&lang=en</a>

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