3SU1102-6AA20-1AA0

Data sheet



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

product designation design of the product product type designation product type designation product type designation 3SU1 product line Plastic, black, 22 mm manufacturer's article number of supplied LED module of supplied LED module of supplied repeater sulfactor of supplied repeater Enclosure number of command points Actuator product extension optional light source color of the actuating element product extension optional light source plastic shape of the actuating element product component front ring product component front ring No Holder material of the holder product component light source product component light source Sulfactor Yes Color * Of the actuating element plastic product component front ring Product component front ring **No **Holder** material of the holder **Display* number of LED modules Ceneral technical data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value degree of protection NEMA rating **Holder** **Of the terminal degree of protection NEMA rating shock resistance ** according to IEC 60068-2-27 **Of to railway applications according to EN 61373 vibration resistance ** according to IEC 60068-2-6 **Of railway applications according to EN 61373 reference code according to IEC 61346-2 preference code according to IEC 61346-2	product brand name	SIRIUS ACT
product type designation Plastic, black, 22 mm manufacturer's article number of supplied LED module 3SU1401-1BB20-1AA0 of the supplied holder 3SU1550-0AA10-0AA0 of supplied repeater Tumber of supplied repeater SU1001-6AA20-0AA0 Enclosure number of command points 1 Actuator product extension optional light source Yes color of the actuating element red material of the actuating element round vouer diameter of the actuating element round vouer diameter of the actuating element 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 1P66, IP67, IP69(IP69K) of the terminal PP6 en for railway applications according to EN 61373 vibration resistance eccording to IEC 60068-2-6 of railway applications according to EN 61373 Category 1, Class B	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 sulfacturer number of command points 1 Actuator product extension optional light source of the actuating element material of the actuating element product component front ring product component front ring No Holder material of the holder plastic product component light source sulfacturer material of the holder product component front ring Font ring sulfacturer material of the holder plastic sulfacturer material of the holder sulfacturer	product type designation	3SU1
of supplied LED module of the supplied holder of supplied repeater supplied repeater of supplied repeater supplied repeater number of command points 1 Actuator product extension optional light source color of the actuating element material of the actuating element couter diameter 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 of the terminal degree of protection NEMA rating shock resistance of category 1, Class B vibration resistance of supplications according to EN 61373 Category 1, Class B	product line	Plastic, black, 22 mm
of the supplied holder of supplied repeater asution-6AA20-0AA0 end of supplied repeater Inumber of command points Actuator product extension optional light source of the actuating element material of the actuating element shape of the actuating element round outer diameter of the actuating element Pront 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 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 of or 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	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 round outer diameter 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 insulation voltage rated value degree of pollution 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 Category 1, Class B Yes Category 1, Class B Ves Category 1, Class B Ves Category 1, Class B Category 1, Class B Category 1, Class B	 of supplied LED module 	3SU1401-1BB20-1AA0
Interpretation of the actuating element product extension optional light source color of the actuating element plastic shape of the actuating element product extension optional element plastic shape of the actuating element product extension outer diameter of the actuating element product component front ring product component light source product compone	 of the supplied holder 	3SU1550-0AA10-0AA0
number of command points 1 Actuator product extension optional light source Yes color	 of supplied repeater 	3SU1001-6AA20-0AA0
Product extension optional light source color of the actuating element material of the actuating element plastic shape of the actuating element outer diameter of the actuating element product component front ring product component front ring 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 degree of protection NEMA rating shock resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B vibratics voltage resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B vibratics voltage resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B	Enclosure	
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 component front ring product component front ring 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 degree of protection NEMA rating shock resistance according to IEC 60068-2-6 of railway applications according to EN 61373 Plastic Plastic Plastic No No No No No No No No No No	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 product component front ring product component front ring Mo 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 • 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	Actuator	
• of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element outer diameter of the actuating element Pront ring product component front ring No	product extension optional light source	Yes
material of the actuating element 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 Plastic Display number of LED modules foeneral 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 60068-2-7 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	color	
shape of the actuating element outer diameter of the actuating element Pront 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 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 round 29.45 mm Plastic Plastic 1 29.45 mm Plastic 1 29.45 mm Plastic Plastic Yes 1 20.4 1 20.4 1 20.4 2	of the actuating element	red
outer diameter of the actuating element 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 • 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	material of the actuating element	plastic
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 IP66, IP67, IP69(IP69K) potention less IP 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 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	shape of the actuating element	round
product component front ring 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 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	outer diameter of the actuating element	29.45 mm
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 • for railway applications according to EN 61373 Plastic 1 1 1 1 1 1 1 1 1 1 1 1 1	Front ring	
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 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 • for railway applications according to EN 61373 Category 1, Class B	product component front ring	No
number of LED modules General technical data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value of the terminal eye of the terminal egree of protection NEMA rating shock resistance of according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance of crailway applications according to EN 61373 category 1, Class B vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B category 1, Class B	Holder	
number of LED modules 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 IP66, IP67, IP69(IP69K) of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance o according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms of or railway applications according to EN 61373 vibration resistance o according to IEC 60068-2-6 ofor railway applications according to EN 61373 Category 1, Class B Category 1, Class B Category 1, Class B	material of the holder	Plastic
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 of according to IEC 60068-2-27 of railway applications according to EN 61373 vibration resistance of for railway applications according to EN 61373 Category 1, Class B Category 1, Class B Category 1, Class B Category 1, Class B	Display	
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 of to 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 Category 1, Class B Category 1, Class B	number of LED modules	1
insulation voltage rated value 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 of or railway applications according to EN 61373 vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B	General technical data	
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 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	product component light source	Yes
surge voltage resistance rated value protection class IP of the terminal lP20 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 of railway applications according to EN 61373 category 1, Class B vibration resistance of according to IEC 60068-2-6 of railway applications according to EN 61373 Category 1, Class B	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 of railway applications according to EN 61373 category 1, Class B vibration resistance of according to IEC 60068-2-6 of railway applications according to EN 61373 Category 1, Class B category 1, Class B	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 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 for railway applications according to EN 61373 Category 1, Class B 	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 • for railway applications according to EN 61373 Category 1, Class B	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 • for railway applications according to EN 61373 Category 1, Class B		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 	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 for railway applications according to EN 61373 Category 1, Class B 	shock resistance	
vibration resistance		sinusoidal half-wave 15g / 11 ms
 according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B 	for railway applications according to EN 61373	Category 1, Class B
• for railway applications according to EN 61373 Category 1, Class B	vibration resistance	
	according to IEC 60068-2-6	10 500 Hz: 5g
reference code according to IEC 81346-2	for railway applications according to EN 61373	Category 1, Class B
	reference code according to IEC 81346-2	5

Substance Prohibitance (Date)	10/01/2014		
Supply voltage			
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 condensation in operation permitted for all devices by	95%, no 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			
General Product Approval		Declaration of Conformity	





Confirmation





Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report









Marine / Shipping

Confirmation

other

Environmental Confirmations

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

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-6AA20-1AA0

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

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

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&lang=en

last modified: 1/26/2022 🖸