SIEMENS

Data sheet



Indicator lights, 22 mm, round, plastic, green, lens, smooth, with holder, LED module, with integrated LED 24 V AC/DC, spring-type terminal, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

product designation design of the product product type designation product time manufacturer's article number • of supplied LED module • of the supplied LED module • of supplied LED module • of supplied repeater 3SU1401-1B840-3AAQ **SU1401-1BA40-3AAQ **SU1401-1BA4Q-3AAQ **SU1401-	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 No Holder material of the holder Plastic Front ring product component front ring No Holder material of the holder Plastic Sinusion of LED modules foneral technical data product component light source yes insulation voltage rated value degree of pollution surge voltage resistance rated value of the terminal degree of protection NEMA rating holder 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance insulation voltage rations according to EN 61373 vibration resistance vibration resistance Plastic Category 1, Class B Vibration resistance Plastic Category 1, Class B	product designation	Indicator lights
product line manufacturer's article number of supplied LED module of the supplied holder supplied repeater assurtion of supplied repeater supplied repeater assurtion of supplied repeater supplied repeater assurtion of command points 1 Actuator product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element arking of the actuating element marking of the actuating element arking of the actuating element product component front ring No Holder material of the holder Display number of LED modules feneral technical data product component light source Yes insulation voltage rated value degree of pollution surge voltage resistance rated value of the terminal degree of protection NEMA rating surpe voltage resistance of according to EIC 60068-2-27 of or rational value according to EN 61373 vibration resistance vibration resistance	design of the product	Complete unit
manufacturer's article number of supplied LED module of the supplied holder product extension optional light source color of the actuating element green material of the actuating element plastic shape of the actuating element couter diameter of the actuating element arking of the actuating element arking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) 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 4 kV protection class IP of the terminal degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • according to IEC 60068-2-27 of ratiway applications according to EN 61373 vibration resistance	product type designation	3SU1
of supplied LED module of the supplied holder of supplied repeater of supplied repeater sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 sulfs50-0AA10-0AA0 Yes color of the actuating element green material of the actuating element	product line	Plastic, black, 22 mm
of the supplied holder of supplied repeater asulion-6AA40-0AA0 asulion-6AA	manufacturer's article number	
● of supplied repeater Color	 of supplied LED module 	3SU1401-1BB40-3AA0
Enclosure number of command points Actuator product extension optional light source of the actuating element material of the actuating element outer diameter of the actuating element marking of the actuating element product component 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 3 surge voltage resistance rated value degree of protection class IP e for railway applications according to EN 61373 vibration resistance e according to EEO 60068-2-27 e for railway applications according to EN 61373 vibration resistance Yes sinusoladi half-wave 15g / 11 ms Category 1, Class B	 of the supplied holder 	3SU1550-0AA10-0AA0
number of command points Actuator product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element marking of the actuating element outer diameter of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) 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 IP20 degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 of ror railway applications according to EN 61373 vibration resistance	 of supplied repeater 	3SU1001-6AA40-0AA0
Actuator product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element marking of the actuating element outer diameter of the actuating element marking of the actuating element product component 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 e according to IEC 60068-2-27 of railway applications according to EN 61373 vibration resistance vent for the strain option of the set of the actuating element product component light source active financial data product component light source financial data surge voltage resistance rated value financial data f	Enclosure	
product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element marking of the actuating element plastic Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) 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 of the terminal degree of protection NEMA rating shock resistance of or rallway applications according to EN 61373 vibration resistance	number of command points	1
color	Actuator	
• 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 marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) 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 4 kV 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	product extension optional light source	Yes
material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) 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 4 kV protection class IP of the terminal effect of protection NEMA rating shock resistance • according to IEC 60068-2-27	color	
shape of the actuating element outer diameter of the actuating element marking of the actuating element Pront ring product component front ring No Molder material of the holder Plastic Display number of LED modules finsulation 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 vibration resistance Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration lidentification Number (CIN) Plastic Yes insulation voltage rated value 320 V degree of pollution 3 surge voltage resistance rated value 1P20 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	of the actuating element	green
outer diameter of the actuating element marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) 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 60068-2-27 of or railway applications according to EN 61373 vibration resistance	material of the actuating element	plastic
marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) 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 4 kV 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 Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration lentification Number (CIN) No Holder Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration Identification Number (CIN) Plastic 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>	round
configurator/Configuration Number (CIN) 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 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	outer diameter of the actuating element	29.45 mm
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 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 Plastic Plastic Plastic 1 4 Ves 320 V 4 Ves 320 V 4 kV Profee, IP69, IP69, IP69(IP69K) IP66, IP67, IP69(IP69K) IP20 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	marking of the actuating element	
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 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 Plastic Plastic Plastic Plastic 1 Cetegory 1, Class B	Front ring	
material of the holder 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 of crailway applications according to EN 61373 Category 1, Class B vibration resistance	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 4 kV protection class IP of the terminal lP20 degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 vibration resistance	Holder	
number of LED modules General technical data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value 4 kV protection class IP iP66, IP67, IP69(IP69K) of the terminal IP20 degree of protection NEMA rating shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance	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 voltage rated value Yes 320 V 4 kV IP66, IP67, IP69(IP69K) IP20 IP20	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 for railway applications according to EN 61373 vibration resistance Yes 120 120 120 120 120 120 120 12	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 for railway applications according to EN 61373 vibration resistance 320 V 1P66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance category 1, Class B	General technical data	
degree of pollution surge voltage resistance rated value 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 for railway applications according to EN 61373 vibration resistance 3 4 kV IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance category 1, Class B	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 4 kV IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms Category 1, Class B	insulation voltage rated value	320 V
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 for railway applications according to EN 61373 vibration resistance IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms 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 sinusoidal half-wave 15g / 11 ms ● for railway applications according to EN 61373 vibration resistance	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	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	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 	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	shock resistance	
vibration resistance	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
	 for railway applications according to EN 61373 	Category 1, Class B
• according to IEC 60068-2-6 10 500 Hz: 5g	vibration resistance	
•	according to IEC 60068-2-6	10 500 Hz: 5g

 for railway applications according to EN 61373 	Category 1, Class B
reference code according to IEC 81346-2	P
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	30 %
relative positive tolerance of the supply voltage	25 %
Control circuit/ Control	
inrush current maximum	2 A
Connections/ Terminals	
type of electrical connection	other
 of modules and accessories 	Spring-type terminal
type of connectable conductor cross-sections	
 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)
tightening torque of the screws in the bracket	1 1.2 N·m
Lamp	
type of light source	LED
color of the light source	green
light intensity	900 1 800 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=3SU1102-6AA40-3AA0-Z Y19

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-6AA40-3AA0-Z Y19

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-6AA40-3AA0-Z Y19

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1102-6AA40-3AA0-Z Y19&lang=en

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