SIEMENS

Data sheet



Illuminated pushbutton, 22 mm, round, plastic with metal front ring, yellow, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 24 V AC/DC, screw terminal, with laser labeling, lower case

product brand name product designation design of the product product type designation product line Plastic with metal front ring, matt, 22 mm manufacturer's article number of supplied contact module at position 1 of supplied contact module at position 1 of supplied LED module of the supplied actuator of supplied actuator of the supplied actuator soft supplied actuator assuriassociation assuriassociation but the supplied actuator soft supplied actuator design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element product extension optional light source solor of the actuating element product extension optional element plastic shape of the actuating element marking of the actuating element put diameter of the actuating element product diameter of the actuating element product component front ring where the actuating element product component front ring design of the front ring Metal, matt color of the front ring material of the front ring material of the holder Display number of LED modules 1 SIRIUS ACT Illuminated public tors assure as			
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of the supplied LED module of the supplied holder of the supplied actuator asuntation of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element product extension optional light source color of the actuating element plastic shape of the actuating element asuntating of the actuating element punctuating element marking of the actuating element marking of the actuating element customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring design of the front ring standard material of the front ring send gray Holder material of the holder Plastic Display number of LED modules 1	manufacturer's article number		
of the supplied holder of the supplied actuator of the supplied actuator assure of command points Actuator design of the actuating element	 of supplied contact module at position 1 	3SU1400-1AA10-1FA0	
of the supplied actuator number of command points Actuator design of the actuating element	of supplied LED module	3SU1401-1BB30-1AA0	
number of command points Actuator design of the actuating element Button, flat principle of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element yellow material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.45 mm marking of the actuating element Customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring Yes design of the front ring Standard material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic Display number of LED modules 1	of the supplied holder	3SU1550-0AA10-0AA0	
Actuator design of the actuating element	of the supplied actuator	3SU1031-0AB30-0AA0	
design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element yellow material of the actuating element outer diameter of the actuating element marking of the actuating element veltometer of contact modules Front ring product component front ring design of the front ring material of the front ring material of the front ring Holder material of the holder Display number of LED modules Button, flat momentary contact type Button, flat momentary contact type momentary contact type yes Customized lobeling Customized labeling, text in lower case letters 1 Front ring Yes design of the front ring Metal, matt color of the front ring Plastic	number of command points	1	
principle of operation of the actuating element product extension optional light source color of the actuating element yellow material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, text in lower case letters number of contact modules Tront ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring Holder material of the holder Display number of LED modules 1	Actuator		
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 marking of the actuating element customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring color of the front ring Holder material of the holder Display number of LED modules 1 Yes Ves Standard Metal, matt sand gray Plastic	design of the actuating element	Button, flat	
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 customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring color of the front ring material of the holder plastic Display number of LED modules 1	principle of operation of the actuating element	momentary contact type	
material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring material of the holder Plastic Display number of LED modules 1	product extension optional light source	Yes	
shape of the actuating element outer diameter of the actuating element marking of the actuating element Customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring material of the holder Plastic Display number of LED modules 1 round round round 29.45 mm Customized labeling, text in lower case letters 1 Metal, natt sand gray Plastic	color of the actuating element	yellow	
outer diameter of the actuating element marking of the actuating element Customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring material of the holder material of the holder Plastic Display number of LED modules 1	material of the actuating element	plastic	
marking of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the front ring Color of the front ring Holder material of the holder Display number of LED modules Customized labeling, text in lower case letters 1 Customized labeling, text in lower case letters 1 Metal, matt standard Metal, matt sand gray Plastic	shape of the actuating element	round	
number of contact modules Front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic Display number of LED modules 1	outer diameter of the actuating element	29.45 mm	
Front ring product component front ring Yes design of the front ring Standard material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic Display number of LED modules 1	marking of the actuating element	Customized labeling, text in lower case letters	
product component front ring design of the front ring material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic Display number of LED modules 1	number of contact modules	1	
design of the front ring material of the front ring Metal, matt color of the front ring Holder material of the holder Plastic Display number of LED modules Standard Metal, matt sand gray Hetal	Front ring		
material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic Display number of LED modules 1	product component front ring	Yes	
color of the front ring sand gray Holder material of the holder Plastic Display number of LED modules 1	design of the front ring	Standard	
Holder material of the holder Plastic Display number of LED modules 1	material of the front ring	Metal, matt	
material of the holder Plastic Display number of LED modules 1	color of the front ring	sand gray	
Display number of LED modules 1	Holder		
number of LED modules 1	material of the holder	Plastic	
	Display		
	number of LED modules	1	
General technical data	General technical data		
product function positive opening Yes	product function positive opening	Yes	
product component light source Yes	product component light source	Yes	
insulation voltage rated value 320 V	insulation voltage rated value	320 V	
degree of pollution 3	degree of pollution	3	
type of voltage of the operating voltage AC/DC	type of voltage of the operating voltage	AC/DC	
surge voltage resistance rated value 4 kV	surge voltage resistance rated value	4 kV	
protection class IP IP66, IP67, IP69(IP69K)	protection class IP	IP66, IP67, IP69(IP69K)	
protection class IP of the terminal IP20, clamping screw tightened	protection class IP of the terminal	IP20, clamping screw tightened	
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	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
operating frequency maximum	3 600 1/h
mechanical service life (operating cycles) typical	3 000 000
electrical endurance (operating cycles) typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the QUAZED fuse link	10 A 10 A
continuous current of the DIAZED fuse link gG Substance Prohibitance (Date)	10/01/2014
Weight	0.068 kg
operating voltage	0.000 kg
• at AC	
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5 500 V
at DC rated value	5 500 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million
	(5 V, 1 mÅ)
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
supply voltage 1 of the light source at DC rated value	24 V
111	
Control circuit/ Control	
Control circuit/ Control inrush current of LED module maximum	2 A
Control circuit/ Control inrush current of LED module maximum Auxiliary circuit	
Control circuit/ Control inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts	Silver alloy
Control circuit/ Control inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	Silver alloy 1
inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	Silver alloy
inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals	Silver alloy 1 1
Control circuit/ Control inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	Silver alloy 1 1 screw terminal
inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories	Silver alloy 1 1
Control circuit/ Control inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections	Silver alloy 1 1 screw terminal Screw-type terminal
Control circuit/ Control inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing	Silver alloy 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²)
Control circuit/ Control inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing	Silver alloy 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)
inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing of solid without core end processing of finely stranded with core end processing	Silver alloy 1 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)
inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing of inely stranded with core end processing of inely stranded without core end processing	Silver alloy 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²)
Control circuit/ Control inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	Silver alloy 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1.0 1,5 mm²) 2x (1,0 1,5 mm²)
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inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing ofinely stranded with core end processing ofinely stranded without core end processing of AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals	Silver alloy 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1.0 1,5 mm²) 2x (1.0 1,5 mm²)
inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp	Silver alloy 1 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²)
inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	Silver alloy 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 1 1.2 N·m 1.2 N·m 1.3 N·m 1.4 N·m 1.5 N·m 1.5 mm²
inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp	Silver alloy 1 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²)
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inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature	Silver alloy 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²)
inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	Silver alloy 1 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) LED yellow 900 1 400 mcd
inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature	Silver alloy 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED yellow 900 1 400 mcd
inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	Silver alloy 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED yellow 900 1 400 mcd
Control circuit/ Control inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature during operation during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions	Silver alloy 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED yellow 900 1 400 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in
inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	Silver alloy 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0
Control circuit/ Control inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature during operation during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions	Silver alloy 1 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,0

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 mm
installation width	29.5 mm
installation depth	71.7 mm

Approvals Certificates

General Product Approval

Test Certificates









Type Test Certificates/Test Report

Special Test Certificate

other

Environment

Confirmation

Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SU1132-0AB30-1FA0-Z Y12

Cax online generator

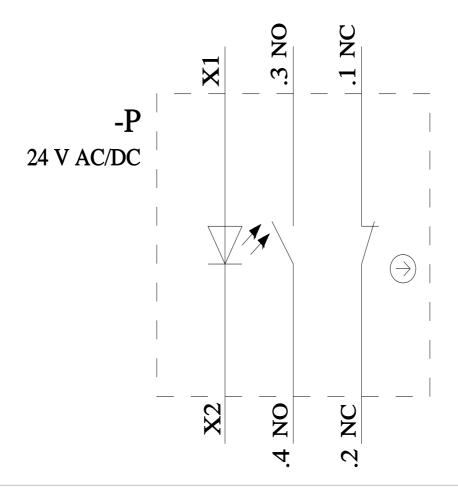
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1132-0AB30-1FA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1132-0AB30-1FA0-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=3SU1132-0AB30-1FA0-Z Y12&lang=en



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