3SU1103-2BF60-1BA0-Z Y12

Data sheet





Selector switch, illuminable, 22 mm, round, plastic, white, selector switch, short, 2 switch positions O-I, latching, 10:30h/13:30h, with holder, with LED module, with integrated LED 110 V AC, 1 NO, screw terminal, with laser labeling, lower case



product designation design of the product Complete unit Droduct type designation product type designation Plastic, black, 22 mm manufacturer's article number of supplied contact module at position 1 of supplied LED module of the supplied holder of the supplied actuator Sulface of the	production and the second seco	
product type designation product line product line 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 holder • of the supplied actuator • of the supplied actuator SSU1400-18-08-04-AQ • of the supplied actuator Inumber of command points 1 Actuator design of the actuating element principle of operation of the actuating element principle of operation of the actuating element white material of the actuating element outer diameter of the actuating element parking of the actuating element outer diameter of the actuating element parking of the actuating element cuter diameter of the actuating element cuter diame	product designation	Selector switches
product line manufacturer's article number of supplied contact module at position 1 of supplied LED module of the supplied holder of the supplied actuator assuriasco-QAA10-QAA0 of the supplied actuator assuriasco-QAA10-QAA0 end the supplied actuator assuriasco-QAA10-QAA0 assuriasco-QAA10-QAA0 assuriasco-QAA0 Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element number of contact modules number of switching positions actuating angle olockwise 90° Front ring product component front ring design of the front ring plastic color of the front ring plastic plastic plastic plastic plastic Color of the front ring color of the ront ring plastic color of the ront ring color of the ron	design of the product	Complete unit
manufacturer's article number of supplied contact module at position 1 of supplied LED module of the supplied holder of the supplied actuator Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element principle of operation of the actuating element white material of the actuating element shape of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element white material of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element product extension optional gelement product extension optional gelement product extension optional gelement plastic shape of the actuating element plastic shape of the actuating element Customized labeling, text in lower case letters number of contact modules 1 number of contact modules 1 number of switching positions 2 actuating angle olockwise Front ring product component front ring design of the front ring standard material of the front ring plastic color of the front ring plastic plastic Plastic Display number of LED modules 1 Ceneral technical data product function positive opening No	product type designation	3SU1
of supplied contact module at position 1 of supplied LED module of the supplied holder of the supplied holder of the supplied holder of the supplied actuator suitooz-2BF60-0AAQ of the supplied actuator Intercologure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element white material of the actuating element plastic shape of the actuating element outer diameter of the actuating element product diameter of the actuating element customized labeling, text in lower case letters number of contact modules 1 number of switching positions 2 actuating angle • clockwise product component front ring design of the front ring plastic color of the front ring plastic color of the front ring plastic product contact modules plastic plastic plastic plastic plastic plastic plastic product contact modules actuating and the plastic plastic product component front ring plastic plastic product component front ring plastic plastic product component front ring product component front ring plastic product component front ring plastic product component front ring pr	product line	Plastic, black, 22 mm
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of the supplied holder of the supplied actuator Enclosure number of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element product extension optional element product extension optional element product extension optional element product extension optional element plastic shape of the actuating element plastic shape of the actuating element public shape of th	 of supplied contact module at position 1 	3SU1400-1AA10-1BA0
• of the supplied actuator Enclosure number of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element number of contact modules 1 Customized labeling, text in lower case letters number of switching positions 2 actuating angle clockwise front ring product component front ring design of the front ring material of the holder plastic shape of the actuating element Tound Customized labeling, text in lower case letters number of switching positions 2 actuating angle clockwise 90° Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring plastic color of the front ring plastic color of the front ring material of the holder Plastic Display number of LED modules 1 General technical data product function positive opening No	 of supplied LED module 	3SU1401-1BC60-1AA0
Inumber of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional light source Ves 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 cuter diameter of the actuating element number of contact modules 1 number of switching positions 2 actuating angle clockwise 90° Front ring product component front ring design of the front ring material of the front ring black Holder material of the holder Display number of LED modules 1 General technical data product function positive opening Ne	 of the supplied holder 	3SU1550-0AA10-0AA0
number of command points 1 Actuator design of the actuating element Selector, short principle of operation of the actuating element latching, 90° (10:30 h/13:30 h) product extension optional light source Yes color of the actuating element white material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case letters number of contact modules 1 number of switching positions 2 actuating angle elockwise 90° Front ring product component front ring standard material of the front ring plastic color of the front ring plastic color of the front ring Plastic Display number of LED modules 1 General technical data product function positive opening No	 of the supplied actuator 	3SU1002-2BF60-0AA0
design of the actuating element principle of operation of the actuating element product extension optional light source Ves color of the actuating element material of the actuating element plastic shape of the actuating element outer diameter of selement outer diameter of the actuating element outer diameter of the actuating element outer diameter of the actuating element outer diameter of the front ring op of the front ring of the front ring the standard material of the front ring black Holder material of the holder Plastic Display number of LED modules 1 General technical data product function positive opening No	Enclosure	
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principle of operation of the actuating element 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 outer diameter of the actuating element outer diameter of the actuating element round outer diameter of the actuating element Outsomized labeling, text in lower case letters number of contact modules 1 number of switching positions 2 actuating angle • clockwise 90° Front ring product component front ring design of the front ring material of the front ring black Holder material of the holder Plastic Display number of LED modules 1 General technical data product function positive opening No	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 number of contact modules number of switching positions actuating angle clockwise clockwise clockwise product component front ring product component front ring material of the front ring material of the front ring plastic color of the front ring plastic color of the front ring plastic plastic color of the front ring black Display number of LED modules 1 General technical data product function positive opening No	design of the actuating element	Selector, short
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material of the actuating element round outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case letters number of contact modules 1 number of switching positions 2 actuating angle • clockwise 90° Front ring product component front ring standard material of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LED modules 1 General technical data product function positive opening No	product extension optional light source	Yes
shape of the actuating element outer diameter of the actuating element marking of the actuating element number of contact modules 1 number of switching positions 2 actuating angle • clockwise 90° Front ring product component front ring design of the front ring material of the front ring tolor of the front ring material of the holder Display number of LED modules 1 Customized labeling, text in lower case letters 1 Pustic Display number of LED modules 1 General technical data product function positive opening No	color of the actuating element	white
outer diameter of the actuating element marking of the actuating element number of contact modules number of switching positions 2 actuating angle clockwise 90° Front ring product component front ring design of the front ring material of the front ring material of the holder Display number of LED modules 1 32.3 mm Customized labeling, text in lower case letters 1 2 4 4 5 7 7 8 90° Front ring Yes 4 8 90° Front ring Plastic Display 1 6 6 6 6 7 8 7 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9	material of the actuating element	plastic
marking of the actuating element number of contact modules 1 number of switching positions 2 actuating angle • clockwise 90° Front ring product component front ring design of the front ring material of the front ring tolor of the front ring material of the holder material of the holder Display number of LED modules 1 General technical data product function positive opening No	shape of the actuating element	round
number of contact modules 1 number of switching positions 2 actuating angle	outer diameter of the actuating element	32.3 mm
number of switching positions actuating angle ● clockwise 90° Front ring product component front ring design of the front ring material of the front ring color of the front ring black Holder material of the holder Plastic Display number of LED modules 1 General technical data product function positive opening No	marking of the actuating element	Customized labeling, text in lower case letters
actuating angle	number of contact modules	1
	number of switching positions	2
Front ring product component front ring design of the front ring material of the front ring color of the front ring black Holder material of the holder Plastic Display number of LED modules 1 General technical data product function positive opening No	actuating angle	
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material of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LED modules 1 General technical data product function positive opening No	product component front ring	Yes
color of the front ring black Holder material of the holder Plastic Display number of LED modules 1 General technical data product function positive opening No	design of the front ring	standard
Holder material of the holder Display number of LED modules General technical data product function positive opening No	material of the front ring	plastic
material of the holder Plastic Display number of LED modules 1 General technical data product function positive opening No	color of the front ring	black
Display number of LED modules 1 General technical data product function positive opening No	Holder	
number of LED modules 1 General technical data product function positive opening No	material of the holder	Plastic
General technical data product function positive opening No	Display	
product function positive opening No	number of LED modules	1
	General technical data	
product component light source Yes	product function positive opening	No
	product component light source	Yes

SIRIUS ACT

insulation voltage rated value	320 V	
insulation voltage rated value	320 V	
degree of pollution		
type of voltage of the operating voltage	AC/DC	
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	
• for railway applications according to EN 61373	Category 1, Class B	
vibration resistance	40	
• according to IEC 60068-2-6	10 500 Hz: 5g	
for railway applications according to EN 61373	Category 1, Class B	
operating frequency maximum	1 800 1/h	
mechanical service life (operating cycles) typical	1 000 000	
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 quick DIAZED fuse link	10 A	
continuous current of the DIAZED fuse link gG	10 A	
Substance Prohibitance (Date)	10/01/2014	
operating voltage		
• 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 mA)	
0	(0 1, 1)	
Supply voltage		
Supply voltage type of voltage of the supply voltage of the light source	AC	
	AC	
type of voltage of the supply voltage of the light source	AC 110 V	
type of voltage of the supply voltage of the light source supply voltage of the light source at AC		
type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value	110 V	
type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value	110 V	
type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value Control circuit/ Control	110 V 110 V	
type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value Control circuit/ Control inrush current of LED module maximum Auxiliary circuit	110 V 110 V 3 A	
type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value Control circuit/ Control inrush current of LED module maximum	110 V 110 V	
type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value Control circuit/ Control inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts	110 V 110 V 3 A Silver alloy	
type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value 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	110 V 110 V 3 A Silver alloy 0	
type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value 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 connections/ Terminals	110 V 110 V 3 A Silver alloy 0	
type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value 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	110 V 110 V 3 A Silver alloy 0 1	
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type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value 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	110 V 110 V 3 A Silver alloy 0 1	
type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value 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	110 V 110 V 3 A Silver alloy 0 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²)	
type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value 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	110 V 110 V 3 A Silver alloy 0 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)	
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type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value 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	110 V 110 V 3 A Silver alloy 0 1 screw terminal Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)	
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type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value 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 • 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	110 V 110 V 3 A Silver alloy 0 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)	
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type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value 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 • finely stranded without 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 Safety related data proportion of dangerous failures • with low demand rate according to SN 31920	110 V 110 V 3 A Silver alloy 0 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 1,0 mm²) 1 1.2 N·m	
type of voltage of the supply voltage of the light source supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value 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 • finely stranded without 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 Safety related data proportion of dangerous failures	110 V 110 V 3 A Silver alloy 0 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 (18 14) 1 1.2 N·m 0.8 0.9 N·m LED white 900 1 400 mcd	

failure rate [FIT] with low demand rate according to SN 31920	100 FIT		
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)		
Environmental footprint			
Environmental Product Declaration(EPD)	Yes		
Global Warming Potential [CO2 eq] total	0.787 kg		
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg		
Global Warming Potential [CO2 eq] during operation	0.235 kg		
Global Warming Potential [CO2 eq] after end of life	-0.015 kg		
Siemens Eco Profile (SEP)	Siemens EcoTech		
Installation/ mounting/ dimensions			
fastening method			
 of modules and accessories 	Front plate mounting		
height	40 mm		
width	32.3 mm		
shape of the installation opening	round		
mounting diameter	22.3 mm		
positive tolerance of installation diameter	0.4 mm		
mounting height	28.8 mm		
installation width	32.3 mm		
installation depth	49.7 mm		
Approvals Certificates			
General Product Approval	Test Certificates	Marine / Shipping	

Confirmation





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>



Marine / Shipping







Confirmation

other



Environment

Siemens EcoTech



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=3SU1103-2BF60-1BA0-Z Y12

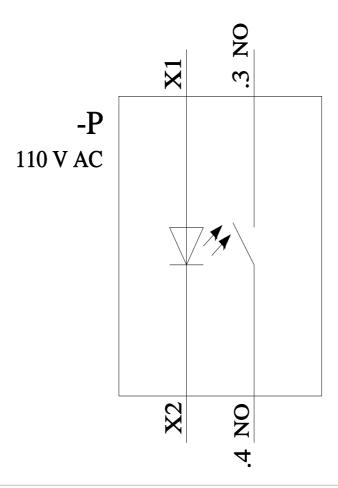
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1103-2BF60-1BA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1103-2BF60-1BA0-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=3SU1103-2BF60-1BA0-Z Y12&lang=en



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