3SU1100-2BL10-1NA0

Data sheet



Selector switch, Illuminable 22 mm, round, plastic, black, knob, short 3 switch positions I-O-II, latching, 10:30h/12h/13:30h, with holder, 1 NO, 1 NO, screw terminal

product designation design of the product Complete unit product type designation product type designation 3SU1 product line manufacturer's article number • of supplied contact module at position 1 • of supplied contact module at position 2 • of the supplied holder • of the supplied actuator • of the supplied actuator • of the supplied actuator Inumber of command points 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 plastic shape of the actuating element outer diameter of the actuating element actuating alement outer diameter of the actuating element actuating angle • clockwise • anticlockwise • anticlockwi	product brand name	SIRIUS ACT
product type designation product line Plastic, black, 22 mm manufacturer's article number • of supplied contact module at position 1 • of supplied contact module at position 2 • of the supplied holder	product designation	Selector switches
product line manufacturer's article number of supplied contact module at position 1 of supplied contact module at position 2 soft he supplied holder of the supplied actuator e of the supplied actuator supplied actuator supplied actuator assut 400-1AA10-1FA0 supplied actuator assut 400-2-RBL10-0AA0 e of the supplied actuator supplied actuator assut 400-2-RBL10-0AA0 Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element product extension optional light source ves color of the actuating element plastic shape of the actuating element pound outer diameter of the actuating element number of contact modules 2 number of switching positions 3 actuating angle e clockwise anticlockwise attockwise attockwise	design of the product	Complete unit
manufacturer's article number of supplied contact module at position 1 of supplied contact module at position 2 of the supplied holder 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 product extension optional light source shape of the actuating element plastic shape of the actuating element number of contact modules actuating alement outer diameter of the actuating element proble of contact modules actuating angle olockwise actuating angle olockwise anticlockwise front ring product component front ring design of the front ring plastic black A5° Front ring product component front ring plastic black design of the front ring plastic color of the front ring plastic color of the front ring plastic Display number of LED modules 0 General technical data product component light source No	product type designation	3SU1
of supplied contact module at position 1 of supplied contact module at position 2 of the supplied holder of the supplied holder of the supplied actuator of the supplied actuator of the supplied actuator of the supplied actuator of the supplied actuator Indicator Indica	product line	Plastic, black, 22 mm
of supplied contact module at position 2 of the supplied holder of the supplied actuator inclosure number of command points design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element plastic shape of the actuating element outer diameter of the actuating element outer diamet	manufacturer's article number	
of the supplied holder of the supplied actuator Sul1002-2BL10-0AA0 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 plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element outer diameter	 of supplied contact module at position 1 	3SU1400-1AA10-1FA0
of the supplied actuator	 of supplied contact module at position 2 	3SU1400-1AA10-1FA0
Enclosure number of command points Actuator design of the actuating element	 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, 2x45° (10:30 h/12 h/13:30 h) product extension optional light source Yes color of the actuating element black material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 32:3 mm number of contact modules 2 number of switching positions 3 actuating angle • clockwise 45° • anticlockwise 45° Front ring product component front ring standard material of the front ring plastic color of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LED modules 0 General technical data product function positive opening Yes product component light source No	 of the supplied actuator 	3SU1002-2BL10-0AA0
Actuator design of the actuating element Selector, short principle of operation of the actuating element latching, 2x45° (10:30 h/12 h/13:30 h) product extension optional light source Yes color of the actuating element black material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 32.3 mm number of contact modules 2 number of switching positions 3 actuating angle e clockwise 45° 45° e anticlockwise 45° 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 0 General technical data product component light source No	Enclosure	
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 plastic stange of the actuating element outer diameter of the actuating element number of contact modules clockwise anticlockwise anticlockwise anticlockwise broader and of the front ring material of the front ring material of the holder Display number of LED modules of ceneral technical data product component light source No Selector, short patched, short latching, 2x45° (10:30 h/12 h/13:30 h) product extension optional light source Yes latching, 2x45° (10:30 h/12 h/13:30 h) plastic plastic latching, 2x45° (10:30 h/12 h/13:30 h) plastic latching, 2x45° (10:30 h/12 h/13:30 h plastic latching, 2x45° (10:30 h/12 h plastic latching, 2x45° (number of command points	1
principle of operation of the actuating element 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 number of contact modules colorwise enticlockwise atticlockwise front ring product component front ring design of the front ring material of the holder material of the holder Display number of LED modules General technical data product component light source Identify a standard product component light source Iatching, 2x45° (10:30 h/12 h/13:30 h) Yes black (10:30 h/12 h/13:30 h) Plastic Display product component light source	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 number of contact modules actuating angle clockwise shape of twe actuating element outer diameter of the actuating element 32.3 mm number of switching positions actuating angle clockwise 45° anticlockwise 45° Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring material of the holder plastic Display number of LED modules General technical data product component light source Yes Yes Pes General technical data product component light source No	design of the actuating element	Selector, short
color of the actuating element plastic material of the actuating element round outer diameter of the actuating element 32.3 mm number of contact modules 2 number of switching positions 3 actuating angle • clockwise 45° • anticlockwise 45° 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 0 General technical data product component light source No	principle of operation of the actuating element	latching, 2x45° (10:30 h/12 h/13:30 h)
material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 32.3 mm number of contact modules 2 number of switching positions 3 actuating angle • clockwise 45° • anticlockwise 45° Front ring product component front ring 45 standard 45 material of the front ring 45 plastic 45 color of the front ring 45 plastic 55 p	product extension optional light source	Yes
shape of the actuating element outer diameter of the actuating element number of contact modules number of switching positions actuating angle eclockwise anticlockwise 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 Display number of LED modules product component light source round round a2.3 mm round 45° 45° 45° 45° 45° Front ring yes 45° plastic plastic color of the front ring black Plastic Display number of LED modules O General technical data product function positive opening yes product component light source No	color of the actuating element	black
outer diameter of the actuating element number of contact modules 2 number of switching positions 3 actuating angle • clockwise • anticlockwise 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 Product component light source 32.3 mm 32.3 mm 32.3 mm 45° 25 45° 45° 45° 45° 45° 45° 45° 45° 45° 45	material of the actuating element	plastic
number of contact modules number of switching positions actuating angle clockwise anticlockwise anticlockwise anticlockwise 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 material of the holder Plastic Display number of LED modules O General technical data product component light source No	shape of the actuating element	round
number of switching positions actuating angle clockwise 45° anticlockwise 45° front ring product component front ring design of the front ring material of the front ring plastic color of the front ring material of the holder Plastic Display number of LED modules product function positive opening product component light source 3 45° 45° Yes standard plastic plastic black Plastic Display No	outer diameter of the actuating element	32.3 mm
actuating angle • clockwise • anticlockwise 45° 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 General technical data product function positive opening product component light source No	number of contact modules	2
 clockwise anticlockwise 45° Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LED modules General technical data product function positive opening yes product component light source 	number of switching positions	3
anticlockwise 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 General technical data product function positive opening product component light source No	actuating angle	
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 Display number of LED modules General technical data product function positive opening product component light source Yes Standard Plastic O General technical data Product component light source No	• clockwise	45°
product component front ring design of the front ring material of the front ring color of the front ring Holder material of the holder Plastic Display number of LED modules product function positive opening product component light source Yes standard plastic plastic 0 0 General technical data product component light source No	anticlockwise	45°
design of the front ring material of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source standard plastic Display 0 Comparison of the holder Plastic Ves No	Front ring	
material of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LED modules 0 General technical data product function positive opening yes product component light source No	product component front ring	Yes
color of the front ring black Holder material of the holder Plastic Display number of LED modules 0 General technical data product function positive opening Yes product component light source No	design of the front ring	standard
Holder material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source No	material of the front ring	plastic
material of the holder Display number of LED modules General technical data product function positive opening product component light source Plastic O Ves No	color of the front ring	black
number of LED modules General technical data product function positive opening Yes product component light source No	Holder	
number of LED modules 0 General technical data product function positive opening Yes product component light source No	material of the holder	Plastic
General technical data product function positive opening Yes product component light source No	Display	
product function positive opening Product component light source Yes No	number of LED modules	0
product component light source No	General technical data	
	product function positive opening	Yes
insulation voltage rated value 500 V	product component light source	No
	insulation voltage rated value	500 V
degree of pollution 3	degree of pollution	3

	A0/P0
type of voltage of the operating voltage	AC/DC
surge voltage resistance rated value	6 kV
protection class IP	IP66, IP67, IP69(IP69K)
• of the terminal	IP20, clamping screw tightened
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	since side! helforers 45 n / 44
according to IEC 60068-2-27 for raily and applications according to EN 61373.	sinusoidal half-wave 15g / 11 ms
for railway applications according to EN 61373	Category 1, Class B
vibration resistance	40 500 H-: 5-
• 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 (switching cycles) typical electrical endurance (switching cycles) typical	1 000 000
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
	10 A, for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (Date)	10/O1/2014
operating voltage	10.0112011
• 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)
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	2
Connections/ Terminals	
type of electrical connection	screw-type terminals
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
Safety related data	
B10 value with high demand rate according to SN 31920	300 000
proportion of dangerous failures	
 with low demand rate according to SN 31920 	20 %
with high demand rate according to SN 31920	20 %
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, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
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	71.7 mm

Certificates/ approvals

General Product Approval

Declaration of Conformity





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







Marine / Shipping

other





Confirmation

Environmental Confirmations

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

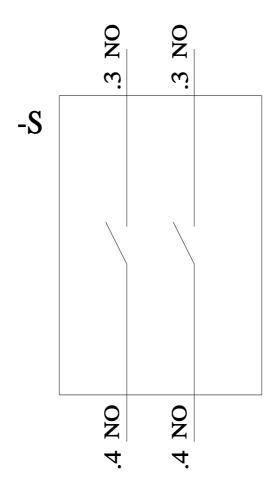
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-2BL10-1NA0

Cax online generator

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-2BL10-1NA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-2BL10-1NA0&lang=en



last modified: 1/26/2022 🖸