SIEMENS

Data sheet

3SU1100-2BM60-1NA0-Z Y10



Selector switch, illuminable, 22 mm, round, plastic, white, selector switch, short, 3 switch positions I>O<II, momentary contact type, 10:30h/12h/13:30h, with holder, 1 NO, 1 NO, screw terminal, with laser labeling, upper case and lower case, always upper case at beginning of line

product designation design of the product product type designation asunfacturer's article number of supplied contact module at position 1 of supplied contact module at position 2 of the supplied contact module at position 2 of the supplied actuator supplied contact module at position 2 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 Yes color of the actuating element shape of the actuating element product diameter of the actuating element product diameter of the actuating element product diameter of the actuating element shape of the actuating element product diameter of the actuating element surface of the actuating element product of switching positions actuating angle clockwise clockwise clockwise design of the front ring design of the front ring product component front ring design of the front ring plastic color of the front ring plastic plastic Display number of LED modules 0 General technical data product function positive opening product component light source	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 of the supplied holder of the supplied actuator sulfacturer's article number of the supplied holder of the supplied actuator sulfacturer's sulfacturer's sulfacturer's sulfacturer's sulfacturer's sulfacturer's design of the actuating element product extension optional light source color of the actuating element material of the actuating element marking of the actuating element shape of the actuating element marking of the actuating element couter diameter of the actuating element marking of the actuating element sulfacturer's sul	product designation	Selector switches
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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 Enclosure number of command points Actuator design of the actuating element principle of operation 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 south actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element mumber of south actuating element outer diameter of the actuating element mumber of switching positions actuating angle • clockwise • anticlockwise Front ring product component front ring design of the floot ring black holder material of the holder Plastic Display number of LED modules 0 General technical data product function positive opening No	product type designation	3SU1
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• 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 shape of the actuating element material of the actuating element round outer diameter of the actuating element number of contact modules actuating alement number of switching positions actuating angle clockwise anticlockwise front ring product component front ring design of the front ring aterial of the front ring black Holder material of the holder Plastic Display number of LED modules 0 General technical data product function positive opening No	 of supplied contact module at position 2 	3SU1400-1AA10-1BA0
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 marking of the actuating element cutsing of the actuating element outer diameter of the actuating element cutsing of the actuating element dividual eleter number of contact modules 2 number of switching positions 3 actuating angle clockwise clockwise design of the front ring design of the front ring plastic color of the front ring black Holder material of the holder Display number of LED modules 0 General technical data product function positive opening No	 of the supplied holder 	3SU1550-0AA10-0AA0
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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 outer diameter of the actuating element marking of the actuating element outer diameter of the actuating element number of contact modules element outer of switching positions actuating angle electockwise anticlockwise anticlockwise front ring product component front ring design of the front ring material of the holder Display number of LED modules 0 General technical data product function positive opening No white white yes ves voit (10:30 h/12 h/13:30 h), return on both sides yes yes ves ves ves ves ves ves ves ves ves v	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 / capital letters, all lines start with capital letter number of contact modules number of switching positions actuating angle clockwise anticlockwise front ring product component front ring design of the front ring material of the front ring material of the front ring material of the holder material of the holder Display number of LED modules O General technical data product function positive opening No	design of the actuating element	Selector, short
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 / capital letters, all lines start with capital letter number of contact modules number of switching positions actuating angle clockwise shape of the 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 Display number of LED modules O General technical data product function positive opening No	principle of operation of the actuating element	momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides
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shape of the actuating element outer diameter of the actuating element marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1 customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating angle elockwise 45° e 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 0 General technical data product function positive opening No	color of the actuating element	white
outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 2 number of switching positions 3 actuating angle clockwise anticlockwise Front ring Yes product component front ring Yes design of the front ring standard material of the front ring plastic color of the front ring black Holder Plastic Display number of LED modules 0 General technical data product function positive opening No	material of the actuating element	plastic
marking of the actuating element number of contact modules number of switching positions actuating angle	shape of the actuating element	round
with capital letter 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 material of the holder Plastic Display number of LED modules 0 General technical data product function positive opening No	outer diameter of the actuating element	32.3 mm
number of switching positions 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 No	marking of the actuating element	
actuating angle	number of contact modules	2
■ clockwise	number of switching positions	3
● anticlockwise 45° Front ring product component front ring Yes design of the 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 function positive opening 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 Plastic Display number of LED modules General technical data product function positive opening No	clockwise	45°
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 No	 anticlockwise 	45°
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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 0 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 0 General technical data product function positive opening 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 No	material of the front ring	plastic
material of the holder Display number of LED modules General technical data product function positive opening No	color of the front ring	black
Display number of LED modules General technical data product function positive opening No	Holder	
number of LED modules 0 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	0
	General technical data	
product component light source No	product function positive opening	No
	product component light source	No

insulation voltage rated value	500 V
insulation voltage rated value	3
degree of pollution type of voltage of the operating voltage	AC/DC
	6 kV
surge voltage resistance rated value	
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	
• 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	1 000 000
electrical endurance (switching 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
Contact renability	million (5 V, 1 mA)
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	0
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	Colon type terminal
solid with core end processing	2x (0.5 0.75 mm²)
solid with core end processing solid without core end processing	2x (1.0 1.5 mm²)
	· · · · · · · · · · · · · · · · · · ·
finely stranded without core and processing finely stranded without core and processing	2x (0.5 1.5 mm²)
 finely stranded without core end processing 	2x (1,0 1,5 mm²)
a at ANAC applies	
• at AWG cables	2x (18 14)
tightening torque of the screws in the bracket	1 1.2 N·m
tightening torque of the screws in the bracket tightening torque with screw-type terminals	
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data	1 1.2 N·m 0.8 0.9 N·m
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920	1 1.2 N·m
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures	1 1.2 N·m 0.8 0.9 N·m
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920	1 1.2 N·m 0.8 0.9 N·m
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures	1 1.2 N·m 0.8 0.9 N·m 300 000
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN	1 1.2 N·m 0.8 0.9 N·m 300 000 20 %
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920	1 1.2 N·m 0.8 0.9 N·m 300 000 20 % 20 %
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions	1 1.2 N·m 0.8 0.9 N·m 300 000 20 % 20 %
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature	1 1.2 N·m 0.8 0.9 N·m 300 000 20 % 20 % 100 FIT
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature • during operation	1 1.2 N·m 0.8 0.9 N·m 300 000 20 % 20 % 100 FIT -25 +70 °C
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature • during operation • during storage	1 1.2 N·m 0.8 0.9 N·m 300 000 20 % 20 % 100 FIT -25 +70 °C -40 +80 °C
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721	1 1.2 N·m 0.8 0.9 N·m 300 000 20 % 20 % 100 FIT -25 +70 °C
tightening torque of the screws in the bracket tightening torque with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC	1 1.2 N·m 0.8 0.9 N·m 300 000 20 % 20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no

 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
Certificates/ approvals	

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=3SU1100-2BM60-1NA0-Z Y10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-2BM60-1NA0-Z Y10

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-2BM60-1NA0-Z Y10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-2BM60-1NA0-ZY10&lang=en

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