SIEMENS

Data sheet

3SU1130-2BM60-3NA0-Z Y10



Selector switch, illuminable, 22 mm, round, plastic with metal front ring, white, selector switch, short, 3 switch positions I>O<II, momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h, with holder, 1 NO, 1 NO, spring-type 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 product time manufacturer's article number of supplied contact module at position 1 of supplied contact module at position 2 of the supplied of position 2 of the supplied actuator supplied subject 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 optional light source Yes color of the actuating element shape of the actuating element product extension optional light source shape of the actuating element product diameter of the actuating element product ordinameter of the actuating element shape of the actuating element shape of the actuating element suite diameter of the actuating element cuter diameter of the actuating element with capital letter marking of the actuating element product own of switching positions actuating angle clockwise clockwise clockwise design of the front ring design of the front ring standard material of the front ring material of the front ring standard material of the front ring material of the front ring design of the front ring standard material of the front ring material of the front ring product component light source No No No No	product brand name	SIRIUS ACT
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 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 material of the actuating element material of the actuating element plastic shape of the actuating element marking of the actuating element marking of the actuating element cuter diameter of the actuating element marking of the actuating element cuter diameter of the actuating element marking of the actuating element cuter diameter of the actuating element cuter diameter of the actuating element arking of the actuating element cuter diameter of the actuating element arking of the actuating element cuter diameter of the actuating element arking of the actuating element principle of contact modules actuating angle e clockwise e anticlockwise 45° Front ring product component front ring design of the front ring standard material 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 O General technical data product function positive opening No	product designation	Selector switches
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 Indicator Ind	design of the product	Complete unit
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actuating angle	number of contact modules	2
	number of switching positions	3
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color of the front ring sand gray 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	Metal, matt
material of the holder Plastic Display number of LED modules 0 General technical data product function positive opening No	color of the front ring	sand gray
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

inculation voltage rated value	500 V
insulation voltage rated value	500 V
degree of pollution	3
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
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
	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	spring-loaded terminals
 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 	0 (0.05 0.75
	2x (0.25 0.75 mm²)
 finely stranded without core end processing 	2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²)
finely stranded without core end processingat AWG cables	
	2x (0.25 1.5 mm²)
at AWG cables	2x (0.25 1.5 mm²) 2x (24 16)
at AWG cables tightening torque of the screws in the bracket	2x (0.25 1.5 mm²) 2x (24 16)
at AWG cables tightening torque of the screws in the bracket Safety related data	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m
at AWG cables tightening torque of the screws in the bracket Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m
 at AWG cables tightening torque of the screws in the bracket 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 	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m
at AWG cables tightening torque of the screws in the bracket Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m
at AWG cables tightening torque of the screws in the bracket 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	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m 300 000 20 % 20 %
at AWG cables tightening torque of the screws in the bracket 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	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m 300 000 20 % 20 %
at AWG cables tightening torque of the screws in the bracket 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	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m 300 000 20 % 20 %
at AWG cables tightening torque of the screws in the bracket 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	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m 300 000 20 % 20 %
at AWG cables tightening torque of the screws in the bracket 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	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m 300 000 20 % 20 % 100 FIT
at AWG cables tightening torque of the screws in the bracket 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	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m 300 000 20 % 20 % 100 FIT
at AWG cables tightening torque of the screws in the bracket 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	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 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
at AWG cables tightening torque of the screws in the bracket 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	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 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
at AWG cables tightening torque of the screws in the bracket 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 Installation/ mounting/ dimensions	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 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 condensation in operation permitted for all devices behind front panel)
at AWG cables tightening torque of the screws in the bracket 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 Installation/ mounting/ dimensions fastening method	2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 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

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	

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=3SU1130-2BM60-3NA0-Z Y10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-2BM60-3NA0-Z Y10

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-2BM60-3NA0-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=3SU1130-2BM60-3NA0-Z Y10&lang=en

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