SIEMENS

TOGGLE SWITCH, 16MM, ROUND, PLASTIC, RED, 3 SWITCH POSITIONS I-O-II, LATCHING, ACTUATING ANGLE ZX20 DEGREES 1NO, 1NO Complete unit round Enclosure: Number of control points Actuator: Design of the operating mechanism Manner of function of the actuating element Product expansion optional Light source No Color • of the actuating element Material of the actuating element Type of unlocking device volume of switching positions Actuating angle • clockwise • of actuating angle • clockwise • of anticlockwise • of actuating element Material of the front ring Material of the holder Product component front ing Material of the holder Color of the front ring Material of the pholders Number of switching elements 2 General technical data: Product function • positive opening • pestive opening • pestive opening • EMERGENCY STOP function Type of voltage • of the operating voltage • of the operating voltage • of the operating voltage • of the coperating voltage	Data sheet	3SB2210-	2DC01
Enclosure: Number of control points 1 Actuator: Design of the operating mechanism selector switch Manner of function of the actuating element Latching Product expansion optional Light source No Color • of the actuating element plastic Type of unlocking device rotate-to-unlatch mechanism Number of switching positions 3 Actuating angle • clockwise * 62 • anticlockwise * 62 • anticlockwise * 26 Front ring: Product component front ring Yes Design of the front ring plastic Color of the front ring plastic Holder: Material of the holder Plastic Contact block/ lampholders Number of switching elements 2 General technical data: Product function No Positive opening No EMERGENCY STOP function Type of voltage • of the operating voltage • of the operating voltage • of the operating voltage Vibration resistance		SWITCH POSITIONS I-O-II, LATCHING, ACTU	
Number of control points Actuator: Design of the operating mechanism selector switch Manner of function of the actuating element Latching Product expansion optional Light source Color of the actuating element Red Material of the actuating element plastic Type of unlocking device rotate-to-unlatch mechanism Number of switching positions Actuating angle of clockwise of care anticlockwise of care and car	Design of the product	Complete unit round	
Actuator: Design of the operating mechanism Manner of function of the actuating element Product expansion optional Light source No Color of the actuating element Material of the actuating element Number of switching positions Actuating angle oclockwise of actuating element Product component front ring Material of the front ring Material of the front ring Material of the holder Contact block/ lampholders Number of switching element Material of the holder Contact block/ lampholders Number of switching elements Contact block/ lampholders Number of switching elements Ceneral technical data: Product function opositive opening e EMERGENCY STOP function Type of voltage of the operating voltage Ochroat positive opening e Mercal English STOP function No Type of voltage of the operating voltage Vibration resistance	Enclosure:		
Design of the operating mechanism Manner of function of the actuating element Product expansion optional Light source Color of the actuating element Material of the actuating element Type of unlocking device No Actuating angle oclockwise anticlockwise anticlockwise Product component front ring Design of the front ring Material of the holder Plastic Color Front ring: Product component front ring Design of the front ring Material of the holder Material of the holder Material of the holder Material of the holder Plastic Contact block/ lampholders Number of switching elements 2 General technical data: Product function opositive opening e EMERGENCY STOP function Type of voltage of the operating voltage AC/DC Vibration resistance	Number of control points	1	
Manner of function of the actuating element Product expansion optional Light source Color of the actuating element Material of the actuating element Type of unlocking device Number of switching positions Actuating angle oclockwise anticlockwise anticlockwise Product component front ring Product component front ring Design of the front ring Material of the holder Material of the holder Material of the operating element Plastic Contact block/ lampholders Number of switching elements 2 General technical data: Product function opinity elements Element elements Actuating angle Ac/DC Vibration resistance	Actuator:		
Product expansion optional Light source Color • of the actuating element Material of the actuating element Type of unlocking device Number of switching positions Actuating angle • clockwise • anticlockwise • anticlockwise Product component front ring Design of the front ring Material of the front ring Material of the holder Material of the holder Plastic Contact block/ lampholders Number of switching elements 2 General technical data: Product function • positive opening • clockwise • of the operating voltage • of the operating voltage • of the operating voltage • of the operating voltage • of the operating voltage Vase Red Red Red Red Red Red Red R	Design of the operating mechanism	selector switch	
Color • of the actuating element Material of the actuating element Type of unlocking device Number of switching positions Actuating angle • clockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwi	Manner of function of the actuating element	Latching	
● of the actuating element Red Material of the actuating element plastic Type of unlocking device rotate-to-unlatch mechanism Number of switching positions 3 Actuating angle 62 • clockwise 62 • anticlockwise 26 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: Material of the holder Plastic Contact block/ lampholder: Number of lampholders 0 Number of switching elements 2 General technical data: Product function No • EMERGENCY STOP function No Type of voltage of the operating voltage AC/DC Vibration resistance	Product expansion optional Light source	No	
Material of the actuating element Type of unlocking device rotate-to-unlatch mechanism Number of switching positions 3 Actuating angle • clockwise • clockwise • anticlockwise • anticlockwise • anticlockwise Product component front ring Perduct component front ring Design of the front ring Material of the front ring Delastic Color of the front ring Material of the holder Holder: Material of the holder Plastic Contact block/ lampholders Number of lampholders Number of switching elements 2 General technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage • of the operating voltage • of the operating voltage • of the operating voltage • Of the operating voltage • AC/DC Vibration resistance	Color		
Type of unlocking device rotate-to-unlatch mechanism Number of switching positions Actuating angle • clockwise • anticlockwise • anticlockwise 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 Contact block/ lampholders Number of lampholders Number of switching elements Ceneral technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage Vibration resistance	 of the actuating element 	Red	
Number of switching positions Actuating angle • clockwise • anticlockwise • 62 • anticlockwise • 26 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 Plastic Contact block/ lampholder: Number of switching elements 0 Aumber of switching elements 2 General technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage Vibration resistance	Material of the actuating element	plastic	
Actuating angle	Type of unlocking device	rotate-to-unlatch mechanism	
clockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise Product component front ring Astandard Material of the front ring plastic Color of the front ring plastic Color of the front ring Plastic Contact block/ lampholder: Number of lampholders anticlockwise Number of switching elements anticlockwise General technical data: Product function positive opening anticlockwise	Number of switching positions	3	
• anticlockwise • anticlockwise • anticlockwise o 26 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 Plastic Contact block/ lampholder: Number of lampholders Number of switching elements General technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage Vibration resistance	Actuating angle		
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 Plastic Contact block/ lampholder: Number of lampholders Number of switching elements General technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage Vibration resistance	• clockwise	° 62	
Product component front ring Design of the front ring Material of the front ring Color of the front ring Holder: Material of the holder Material of the holder Plastic Contact block/ lampholder: Number of lampholders Number of switching elements 2 General technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage Vibration resistance	• anticlockwise	° 26	
Design of the front ring Material of the front ring Color of the front ring Holder: Material of the holder Material of the holder Plastic Contact block/ lampholder: Number of lampholders Number of switching elements 2 General technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage Vibration resistance	Front ring:		
Material of the front ring plastic Color of the front ring black Holder: Material of the holder Plastic Contact block/ lampholder: Number of lampholders 0 Number of switching elements 2 General technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage • of the operating voltage Vibration resistance	Product component front ring	Yes	
Color of the front ring black Holder: Material of the holder Plastic Contact block/ lampholder: Number of lampholders 0 Number of switching elements 2 General technical data: Product function • positive opening No • EMERGENCY STOP function No Type of voltage • of the operating voltage Vibration resistance	Design of the front ring	Standard	
Holder: Material of the holder Contact block/ lampholder: Number of lampholders Number of switching elements 2 General technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage Vibration resistance	Material of the front ring	plastic	
Material of the holder Contact block/ lampholder: Number of lampholders Number of switching elements 2 General technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage Vibration resistance	Color of the front ring	black	
Contact block/ lampholder: Number of lampholders 0 Number of switching elements 2 General technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage Vibration resistance	Holder:		
Number of lampholders 0 Number of switching elements 2 General technical data: Product function • positive opening No • EMERGENCY STOP function No Type of voltage • of the operating voltage Vibration resistance	Material of the holder	Plastic	
Number of switching elements 2 General technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage Vibration resistance	•		
General technical data: Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage Vibration resistance	Number of lampholders	0	
Product function • positive opening • EMERGENCY STOP function Type of voltage • of the operating voltage Vibration resistance	Number of switching elements	2	
 positive opening EMERGENCY STOP function No Type of voltage of the operating voltage Vibration resistance No AC/DC			
EMERGENCY STOP function Type of voltage of the operating voltage Vibration resistance No AC/DC Vibration resistance	Product function		
Type of voltage	positive opening	No	
• of the operating voltage AC/DC Vibration resistance	 EMERGENCY STOP function 	No	
Vibration resistance	Type of voltage		
	 of the operating voltage 	AC/DC	
• acc. to IEC 60068-2-6 20 200 Hz: 5g	Vibration resistance		
	• acc. to IEC 60068-2-6	20 200 Hz: 5g	

Operating frequency maximum	1/h	1 000
Mechanical service life (switching cycles)		
• typical		300 000
Protection class IP		IP65
Equipment marking		
• acc. to DIN 40719 extended according to IEC		S
204-2 acc. to IEC 750		
• acc. to DIN EN 61346-2		S
• acc. to DIN EN 81346-2		S
Operating voltage		
Rated value	V	5 250
Auxiliary circuit:		
Number of NC contacts		
• for auxiliary contacts		0
Number of NO contacts		
• for auxiliary contacts		2
Number of CO contacts		
• for auxiliary contacts		0
Operating current at AC-12		
● at 60 V Rated value	Α	10
● at 110 V Rated value	Α	10
● at 24 V Rated value	Α	10
• at 230 V Rated value	Α	10
Operating current at AC-15		
● at 230 V Rated value	Α	4
Operating current		
• at DC-12		
— at 60 V Rated value	Α	5
— at 110 V Rated value	Α	2.5
• at DC-13		
— at 24 V Rated value	Α	3
— at 60 V Rated value	Α	1.2
— at 110 V Rated value	Α	0.7
Connections/ Terminals:		
Type of electrical connection		tab terminals
Ambient conditions:		
Ambient temperature		
during operation	°C	-25 +70
during storage	°C	-40 +80
Installation/ mounting/ dimensions:		
Mounting type		front mounting

Shape of the installation opening		round
Mounting diameter	mm	16

General Product Approval Declaration of Test other Conformity Certificates **Special Test** other Environmental







Certificate

Confirmations

other

Confirmation

Further information

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

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB22102DC01

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

http://support.automation.siemens.com/WW/view/en/3SB22102DC01/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB22102DC01&lang=en

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