SIEMENS

Data sheet 3SB2202-0AE01

Pushbutton, 16 mm, round, plastic, green, pushbutton, flat, 1 NO



product designation design of the product product type designation 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 green material of the actuating element shape of the actuating element type of unlocking device number of switching positions Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring plastic design of the front ring plastic color of the front ring material of the front ring plastic solder material of the front ring plastic plactic material of the solder Plastic Contact block/ lampholder number of switching elements 1 General tochnical data product function • positive opening • EMERGENCY STOP function No Sype of voltage of the ceparating voltage protection class IP vibration resistance according to IEC 60068-2-6 operating frequency maximum 1 000 000 reference code according to IEC 60068-2-6 Substance Prohibitance (Date) operating voltage reted value 4uxiliary circuit number of NC contacts for auxiliary contacts 0	product brand name	SIRIUS
design of the product product type designation 3SB2 Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element momentary contact type product extension optional light source No color of the actuating element plastic plastic plastic plastic standard product extension optional representations of the actuating element plastic shape of the actuating element plastic plastic shape of the actuating element plastic plastic shape of the actuating element plastic shape of the actuating element plastic shape of switching positions 2 Front ring product component front ring yes design of the front ring plastic pl	•	Pushbuttons
Enclosure number of command points Actuator design of the actuating element principle of operation 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 shape of the actuating element type of unlocking device number of switching positions 2 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 Holder material of the holder Plastic Contact block/ lampholder number of lampholders number of switching elements 1 General technical data product function positive opening EMERGENCY STOP function No EMERGENCY STOP function No EMERGENCY STOP function No EMERGENCY STOP function No Plastic General in great product function protection class IP Vibration resistance according to IEC 60088-2-6 Plastic Substance Prohibitance (Date) Operating voltage rated value 5 250 V Auxiliary circuit		Complete unit round
number of command points Actuator design of the actuating element		3SB2
Actuator Pushbutton Pushb	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 shape of the actuating element shape of the actuating element shape of the actuating positions 12 Front ring product component front ring design of the front ring material of the front ring product component front ring product component front ring product component front ring plastic color of the front ring material of the holder Plastic Contact block/ lampholder number of switching elements 1 Centact block/ lampholder number of lampholders number of switching elements 1 Egeneral technical data product function • positive opening • EMERGENCY STOP function No type of voltage of the operating voltage port of the spiration of the size of th	number of command points	1
principle of operation of the actuating element product extension optional light source color of the actuating element green material of the actuating element plastic shape of the actuating element Flat pushbutton type of unlocking device without number of switching positions product component front ring Yes design of the front ring plastic color of the front ring plastic color of the front ring plastic color of the front ring plastic Contact block/ lampholder number of switching elements 1 General technical data product function • positive opening • EMERGENCY STOP function No type of voltage of the operating voltage protection class IP vibration resistance according to IEC 80388-2-8 Substance Prohibitance (Date) operating voltage residuals and substance Prohibitance (Date) operating voltage rated value S 250 V Auxiliary circuit	Actuator	
product extension optional light source color of the actuating element green material of the actuating element Flat pushbutton type of unlocking device without number of switching positions 2 Front ring product component front ring Yes design of the front ring plastic color of the front ring black Holder material of the front ring black Holder material of the holder Plastic Contact block/ lampholder number of switching elements 1 General technical data product function • positive opening • No type of voltage of the operating voltage protection class IP vibration resistance according to IEC 60068-2-6 operating frequency maximum 1 000 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Auxiliary circuit Plastic On No On	design of the actuating element	Pushbutton
color of the actuating element plastic shape of the actuating element Flat pushbutton type of unlocking device without number of switching positions 2 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 Contact block/ lampholder number of switching elements 1 General technical data product function • positive opening No • EMERGENCY STOP function No type of voltage of the operating voltage protection class IP vibration resistance according to IEC 80346-2 S Substance Prohibitance (Date) operating voltage rated value Auxiliary circuit Auxiliary circuit Flat pushbutton plastic Ves without types Yes Standard plastic Standard plastic Ves Standard Plastic Plastic O O O O O O O O O O O O O	principle of operation of the actuating element	momentary contact type
material of the actuating element shape of the actuating element type of unlocking device number of switching positions 2 Front ring product component front ring design of the front ring material of the holder Flat pushbutton when the front ring plastic color of the front ring black Holder material of the holder Plastic Contact block/ lampholder number of lampholders number of switching elements 1 General technical data product function positive opening EMERGENCY STOP function No type of voltage of the operating voltage protection class IP vibration resistance according to IEC 60068-2-6 operating frequency maximum 1 000 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Operating voltage rated value Auxiliary circuit Pes	product extension optional light source	No
shape of the actuating element type of unlocking device number of switching positions 2 Pront 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 Contact block/ lampholder number of lampholders number of switching elements 1 General technical data product function • positive opening • EMERGENCY STOP function type of voltage of the operating voltage protection class IP vibration resistance according to IEC 60068-2-6 operating frequency maximum reference code according to IEC 81346-2 Substance Prohibitance (Date) Auxiliary circuit Flat pushbutton without thout number of switching positions 2 Yes design of the front ring Standard Head Plastic Plastic O O O O O O O O O O O O O	color of the actuating element	green
type of unlocking device without number of switching positions 2 Front ring	material of the actuating element	plastic
number of switching positions Front ring product component front ring design of the front ring material of the front ring black Holder material of the holder 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 protection class IP vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value Auxiliary circuit Yes Standard Yes Standard Pass Stand	shape of the actuating element	Flat pushbutton
product component 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 Contact block/ lampholder number of lampholders number of switching elements 1 General technical data product function • positive opening • EMERGENCY STOP function type of voltage of the operating voltage protection class IP vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value Auxiliary circuit	type of unlocking device	without
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 Contact block/ lampholder number of lampholders number of switching elements product function • positive opening • EMERGENCY STOP function type of voltage of the operating voltage protection class IP vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value Auxiliary circuit	number of switching positions	2
design of the front ring material of the front ring plastic color of the front ring black Holder material of the holder Contact block/ lampholder number of lampholders number of switching elements General technical data product function • positive opening • positive opening • EMERGENCY STOP function type of voltage of the operating voltage protection class IP vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value Auxiliary circuit	Front ring	
material of the front ring black Holder material of the holder Plastic Contact block/ lampholder number of lampholders 0 number of switching elements 1 General technical data product function • positive opening No • EMERGENCY STOP function No type of voltage of the operating voltage AC/DC protection class IP IP65 vibration resistance according to IEC 60068-2-6 20 200 Hz: 5g operating frequency maximum 1 000 1/h mechanical service life (switching cycles) typical 10 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 07/01/2006 operating voltage rated value 5 250 V Auxiliary circuit	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 1 General technical data product function • positive opening No • EMERGENCY STOP function No type of voltage of the operating voltage AC/DC protection class IP IP65 vibration resistance according to IEC 60068-2-6 20 200 Hz: 5g operating frequency maximum 1 000 1/h mechanical service life (switching cycles) typical 10 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 07/01/2006 operating voltage rated value 5 250 V	design of the front ring	Standard
material of the holder Plastic Contact block/ lampholder number of lampholders 0 number of switching elements 1 General technical data product function • positive opening No • EMERGENCY STOP function No type of voltage of the operating voltage AC/DC protection class IP IP65 vibration resistance according to IEC 60068-2-6 20 200 Hz: 5g operating frequency maximum 1 000 1/h mechanical service life (switching cycles) typical 10 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 07/01/2006 operating voltage rated value 5 250 V Auxiliary circuit	material of the front ring	plastic
material of the holder Contact block/ lampholder number of lampholders number of switching elements Description Plastic O number of switching elements Description Product function Positive opening EMERGENCY STOP function No Stype of voltage of the operating voltage Protection class IP Vibration resistance according to IEC 60068-2-6 Operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Operating voltage rated value Auxiliary circuit	color of the front ring	black
Contact block/ lampholder number of lampholders number of switching elements 1 General technical data product function • positive opening • EMERGENCY STOP function type of voltage of the operating voltage protection class IP vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value 5 250 V Auxiliary circuit	Holder	
number of lampholders number of switching elements 1 General technical data product function • positive opening • EMERGENCY STOP function type of voltage of the operating voltage protection class IP vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value 5 250 V Auxiliary circuit	material of the holder	Plastic
number of switching elements General technical data product function • positive opening • EMERGENCY STOP function type of voltage of the operating voltage protection class IP vibration resistance according to IEC 60068-2-6 operating frequency maximum nechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value 1 0 1 0 1 0 0 0 0 0 0 0 0	Contact block/ lampholder	
product function	number of lampholders	0
product function	number of switching elements	1
 ● positive opening ● EMERGENCY STOP function No type of voltage of the operating voltage AC/DC protection class IP vibration resistance according to IEC 60068-2-6 20 200 Hz: 5g operating frequency maximum 1 000 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value 5 250 V Auxiliary circuit	General technical data	
● EMERGENCY STOP function type of voltage of the operating voltage protection class IP IP65 vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value Auxiliary circuit	product function	
type of voltage of the operating voltage protection class IP Vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value Auxiliary circuit AC/DC IP65 10 000 Hz: 5g 10 000 1/h 10 000 000 70 000 000 70 000 000 70 000 00	 positive opening 	No
protection class IP vibration resistance according to IEC 60068-2-6 20 200 Hz: 5g operating frequency maximum 1 000 1/h mechanical service life (switching cycles) typical 10 000 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value 5 250 V Auxiliary circuit	 EMERGENCY STOP function 	No
vibration resistance according to IEC 60068-2-6 operating frequency maximum 1 000 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value 5 250 V Auxiliary circuit	type of voltage of the operating voltage	AC/DC
operating frequency maximum 1 000 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value 5 250 V Auxiliary circuit	protection class IP	IP65
mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value 5 250 V Auxiliary circuit	vibration resistance according to IEC 60068-2-6	20 200 Hz: 5g
reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value 5 250 V Auxiliary circuit	operating frequency maximum	1 000 1/h
Substance Prohibitance (Date) operating voltage rated value 5 250 V Auxiliary circuit	mechanical service life (switching cycles) typical	10 000 000
operating voltage rated value 5 250 V Auxiliary circuit	reference code according to IEC 81346-2	S
Auxiliary circuit	Substance Prohibitance (Date)	07/01/2006
	operating voltage rated value	5 250 V
number of NC contacts for auxiliary contacts 0	Auxiliary circuit	
	number of NC contacts for auxiliary contacts	0

number of NO contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts	0
operational current at AC-12	· ·
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value at 110 V rated value	10 A
at 230 V rated value	10 A
operational current at AC-15	10 A
at 24 V rated value	4 A
at 24 V rated value at 110 V rated value	4 A
at 230 V rated value	4 A
operational current at DC-12	47
• at 24 V rated value	6 A
at 60 V rated value	5 A
at 110 V rated value	2.5 A
at 230 V rated value	1A
operational current at DC-13	
at 24 V rated value	3 A
at 60 V rated value	1.2 A
at 110 V rated value	0.7 A
at 230 V rated value	0.3 A
Connections/ Terminals	
type of electrical connection	tab terminals
tightening torque of the screws in the bracket	0.4 N·m
Ambient conditions	
ambient temperature	
during operation	-25 +70 °C
 during storage 	-40 +80 °C
environmental category during operation according to IEC 60721	3K6
Installation/ mounting/ dimensions	
fastening method	front plate mounting
shape of the installation opening	round
mounting diameter	16 mm
mounting height	8 mm
installation width	19 mm
installation depth	50 mm
Certificates/ approvals	

®

General Product Approval









Declaration of Conformity



Test Certificates other

Special Test Certific- Miscellaneous Confirmation

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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=3SB2202-0AE01

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB2202-0AE01

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