SIEMENS

Data sheet 3SB2202-0AE01

PUSHBUTTON, 16MM, ROUND, PLASTIC, GREEN, BUTTON, FLAT, 1NO



Design of the product	Complete unit round					
Enclosure:						
Number of control points	1					
Actuator:						
Design of the operating mechanism	Pushbutton					
Manner of function of the actuating element	Momentary contact type					
Product expansion optional Light source	No					
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	2					
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					
Contact block/ lampholder:						
Number of lampholders	0					
Number of switching elements	1					

Product function	General technical data:		
• EMERGENCY STOP function Type of voltage • of the operating voltage • of the operating voltage • acc. to IEC 60068-2-6 Operating frequency maximum Mechanical service life (ewitching cycles) • typical • typical • acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 • acc. to DIN 187146-2 • acc. to DIN	Product function		
Type of voltage of the operating voltage AC/DC	positive opening		No
• of the operating voltage AC/DC Vibration resistance • acc. to IEC 60068-2-6 Operating frequency maximum Nechanical service life (switching cycles) • typical Protection class IP Equipment marking • acc. to DIN 40719 extended according to IEC 204-2 acc. to DIN 81346-2 • acc. to DIN EN 81346-2 • acc. to DIN EN 81346-2 S Operating voltage • Rated value V 5 250 Auxiliary circuit: Number of NC contacts • for auxiliary contacts • at 24 ∨ Rated value • at 110 ∨ Rated value • at 230 ∨ Rated value • at 250 ∨ Rated value • at 100 ∨ Rated value • at 250 ∨ Rated value • at 100 ∨ Rated value • at 250 ∨ Rated value • at	 EMERGENCY STOP function 		No
Vibration resistance acc. to IEC 60068-2-6 20 200 Hz: 5g Operating frequency maximum 1/h 1 000 Mechanical service life (switching cycles) • (ypical) 10 000 000 Protection class IP IP65 Equipment marking IP65 • acc. to DIN 40719 extended according to IEC 204-2 acc. to DIN EN 61346-2 S • acc. to DIN EN 81346-2 S • acc. to DIN EN 81346-2 S Operating voltage • Rated value • Rated value V 5 250 Auxiliary circuit Number of NC contacts 0 • for auxiliary contacts 0 0 Number of NC contacts 1 0 • for auxiliary contacts 0 0 Operating current at AC-12 0 0 • at 60 V Rated value A 10 1 • at 24 V Rated value A 10 1 • at 230 V Rated value A 10 1 • at 230 V Rated value A 4 4 • at 10C-12 - at	Type of voltage		
	 of the operating voltage 		AC/DC
Operating frequency maximum	Vibration resistance		
Protection class IP	• acc. to IEC 60068-2-6		20 200 Hz: 5g
	Operating frequency maximum	1/h	1 000
Protection class IP Equipment marking	Mechanical service life (switching cycles)		
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 acc. to DIN EN 61346-2 S acc. to DIN EN 81346-2 S acc. to DIN EN 81346-2 S acc. to DIN EN 81346-2 S Auxiliary dottage Rated value V 5 250 Auxiliary circuit:	• typical		10 000 000
acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 acc. to DIN EN 61346-2 acc. to DIN EN 81346-2 acc. to DIN EN 81346-2 S Operating voltage Rated value V 5 250 Auxiliary circuit: Number of NC contacts for auxiliary contacts for auxi	Protection class IP		IP65
204-2 acc. to IEC 750 • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 S Operating voltage • Rated value V 5 250 Auxiliary circuit: Number of NC contacts • for auxiliary contacts • for	Equipment marking		
● acc. to DIN EN 81346-2 Operating voltage ● Rated value V 5 250 Auxiliary circuit: Number of NC contacts ● for auxiliary contacts ● for auxiliary contacts ● for auxiliary contacts ● for auxiliary contacts ● for auxiliary contacts ● for auxiliary contacts ● for auxiliary contacts ● for auxiliary contacts Operating current at AC-12 ● at 60 V Rated value ● at 110 V Rated value ● at 24 V Rated value ● at 230 V Rated value A 10 Operating current at AC-15 ● at 230 V Rated value A 4 Operating current ● at DC-12 — at 60 V Rated value A 5 — at 110 V Rated value A 5 — at 110 V Rated value A 5 — at 24 V Rated value A 5 — at 24 V Rated value A 6 3 — at 24 V Rated value A 7 A 7 A 8 A 9 A 10	_		S
Operating voltage ▼ Rated value V 5 250 Auxiliary circuit: Number of NC contacts 0 Number of NO contacts 0 0 Number of NO contacts 1 1 • for auxiliary contacts 0 0 Operating current at AC-12 0 0 • at 60 V Rated value A 10 10 • at 24 V Rated value A 10 10 • at 230 V Rated value A 10 10 Operating current at AC-15 0 0 • at 230 V Rated value A 4 4 Operating current 0 0 • at 20 V Rated value A 5 0 • at 110 V Rated value A 5 0 • at 110 V Rated value A 2.5 0 • at 24 V Rated value A 3 0 • at 24 V Rated value A 3 0 • at 25 V Rated value A 3 0 • at 25 V Rated value A 3 0 • at 26 V Rated value A 3 0 • at 60 V Rated value<	• acc. to DIN EN 61346-2		s
Operating voltage V 5 250 Auxiliary circuit: Number of NC contacts 0 • for auxiliary contacts 0 Number of NO contacts 1 • for auxiliary contacts 1 Number of CO contacts 0 • for auxiliary contacts 0 Operating current at AC-12 0 • at 60 V Rated value A 10 • at 24 V Rated value A 10 • at 230 V Rated value A 10 Operating current at AC-15 4 10 • at 230 V Rated value A 4 Operating current A 4 • at DC-12 A 5 • at 110 V Rated value A 5 • at 110 V Rated value A 2.5 • at DC-13 A 2.5 • at 24 V Rated value A 3 • at 60 V Rated value A 1.2	• acc. to DIN EN 81346-2		S
Name V 5 250 Auxiliary circuit: Number of NC contacts ● for auxiliary contacts 0 Number of NO contacts 1 ● for auxiliary contacts 0 Operating current at AC-12 0 ● at 60 V Rated value A 10 ● at 24 V Rated value A 10 ● at 230 V Rated value A 10 ● at 230 V Rated value A 10 Operating current at AC-15 A 4 ● at 230 V Rated value A 4 Operating current A 4 ● at DC-12 A 5 — at 60 V Rated value A 5 ● at DC-13 A 2.5 ● at CV Rated value A 3 — at 46 V Rated value A 3 — at 60 V Rated value A 3 — at 60 V Rated value A 1.2			
Number of NC contacts 0 Number of NO contacts 1 Number of CO contacts 1 Number of CO contacts 0 Operating current at AC-12 0 • at 60 V Rated value A 10 • at 24 V Rated value A 10 • at 230 V Rated value A 10 • at 230 V Rated value A 10 Operating current at AC-15 4 4 • at 230 V Rated value A 4 Operating current A 4 • at DC-12 A 5 — at 110 V Rated value A 5 • at DC-13 A 2.5 • at DC-13 A 3 — at 60 V Rated value A 1.2		V	5 250
• for auxiliary contacts 0 Operating current at AC-12 • at 60 V Rated value • at 24 V Rated value • at 230 V Rated value A 10 Operating current at AC-15 • at 230 V Rated value A 4 Operating current • at DC-12 — at 60 V Rated value A 5 — at 110 V Rated value A 5 • at DC-13 — at 24 V Rated value A 3 — at 24 V Rated value A 3 — at 26 V Rated value A 3 — at 27 V Rated value A 3 — at 28 V Rated value A 3 — at 29 V Rated value A 3 — at 20 V Rated value A 3 — at 24 V Rated value A 1.2			
Number of NO contacts 1 • for auxiliary contacts 0 • for auxiliary contacts 0 Operating current at AC-12 0 • at 60 V Rated value A 10 • at 24 V Rated value A 10 • at 230 V Rated value A 10 Operating current at AC-15 A 4 • at 230 V Rated value A 4 Operating current A 4 • at DC-12 A 5 — at 60 V Rated value A 5 • at DC-13 A 2.5 • at DC-14 A 3 — at 60 V Rated value A 1.2			0
• for auxiliary contacts Number of CO contacts • for auxiliary contacts • for auxiliary contacts 0 Operating current at AC-12 • at 60 V Rated value • at 24 V Rated value • at 230 V Rated value A 10 Operating current at AC-15 • at 230 V Rated value A 4 Operating current • at DC-12 — at 60 V Rated value A 5 — at 110 V Rated value A 5 • at DC-13 — at 24 V Rated value A 3 — at 24 V Rated value A 3 — at 60 V Rated value A 3 — at 60 V Rated value A 3 — at 60 V Rated value A 1.2			O
Number of CO contacts • for auxiliary contacts Operating current at AC-12 • at 60 V Rated value • at 24 V Rated value • at 230 V Rated value A 10 Operating current at AC-15 • at 230 V Rated value A 4 Operating current • at DC-12 — at 60 V Rated value A 5 — at 110 V Rated value A 5 • at DC-13 — at 24 V Rated value A 3 — at 60 V Rated value A 3 — at 60 V Rated value A 3 — at 60 V Rated value A 1.2			4
	-		1
Operating current at AC-12			0
 at 60 V Rated value at 110 V Rated value at 24 V Rated value at 230 V Rated value A 10 Operating current at AC-15 at 230 V Rated value A 4 Operating current at AC-15 at 230 V Rated value A 4 Operating current at DC-12 at 60 V Rated value A 5 at 110 V Rated value A 2.5 at DC-13 at 24 V Rated value A 3 at 60 V Rated value A 3 at 60 V Rated value 			0
 at 110 V Rated value at 24 V Rated value at 230 V Rated value A 10 Operating current at AC-15 at 230 V Rated value A 4 Operating current at 230 V Rated value A 4 Operating current at DC-12 at 60 V Rated value A 5 at 110 V Rated value A 2.5 at DC-13 at 24 V Rated value A 3 at 60 V Rated value A 3 at 60 V Rated value 		^	10
 at 24 V Rated value at 230 V Rated value A 10 Operating current at AC-15 at 230 V Rated value A 4 Operating current at DC-12 at 60 V Rated value A at 110 V Rated value A at DC-13 at 24 V Rated value A at 24 V Rated value A 			
• at 230 V Rated value Operating current at AC-15 • at 230 V Rated value A Operating current • at DC-12 — at 60 V Rated value A 5 — at 110 V Rated value A 2.5 • at DC-13 — at 24 V Rated value A 3 — at 60 V Rated value A 1.2			
Operating current at AC-15 ● at 230 V Rated value A 4 Operating current ● at DC-12 ● at DC-12 — at 60 V Rated value A 5 — at 110 V Rated value A 2.5 ● at DC-13 ● at 24 V Rated value A 3 — at 60 V Rated value A 1.2			
● at 230 V Rated value Operating current ● at DC-12 — at 60 V Rated value A 5 — at 110 V Rated value A 2.5 ● at DC-13 — at 24 V Rated value A 3 — at 60 V Rated value A 1.2		А	10
Operating current ● at DC-12 — at 60 V Rated value A 5 — at 110 V Rated value A 2.5 ● at DC-13 A 3 — at 24 V Rated value A 3 — at 60 V Rated value A 1.2	· ·	•	
 at DC-12 at 60 V Rated value at 110 V Rated value at DC-13 at 24 V Rated value at 60 V Rated value at 60 V Rated value A 1.2 		A	4
 — at 60 V Rated value — at 110 V Rated value ■ at DC-13 — at 24 V Rated value — at 60 V Rated value A 3 — at 60 V Rated value A 1.2 			
 — at 110 V Rated value A 2.5 ● at DC-13 — at 24 V Rated value — at 60 V Rated value A 1.2 			
 at DC-13 — at 24 V Rated value — at 60 V Rated value A 1.2 			
— at 24 V Rated value— at 60 V Rated valueA 1.2	— at 110 V Rated value	Α	2.5
— at 60 V Rated value A 1.2	• at DC-13		
	— at 24 V Rated value	Α	3
— at 110 V Rated value A 0.7	— 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					

Certificates/ approvals:

General Produ	uct Approval	Declaration of Conformity	Test Certificates	other	
(W)	EHC	CE	Special Test Certificate	other	Environmental Confirmations



Confirmation

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=3SB22020AE01

EG-Konf.

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

http://support.automation.siemens.com/WW/view/en/3SB22020AE01/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=3SB22020AE01&lang=en

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