SIEMENS

Data sheet 3SB2202-0LD01

PUSHBUTTON, 16MM, ROUND, PLASTIC, YELLOW, BUTTON, RAISED, 1NO



Complete unit round Number of control points Actuator: Design of the operating mechanism Pushbutton Manner of function of the actuating element Momentary contact type Product expansion optional Light source Color • of the actuating element Yellow Material of the actuating element plastic Shape of the actuating element Raised 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 Material of the holder Plastic Contact block/ lampholder: Number of lampholders 0 Number of switching elements

Product function	General technical data:		
• EMERGENCY STOP function Type of voltage • of the operating voltage • acc. to IEC 60068-2-6 Operating frequency maximum Mechanical service life (switching cycles) • typical Protection class IP Equipment marking • acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 • acc. to DIN 1801346-2 • acc. to DIN EN 81346-2 • acc. to DIN EN 81346-2 • acc. to DIN EN 8	Product function		
Type of voltage	• positive opening		No
● of the operating voltage	 EMERGENCY STOP function 		No
Vibration resistance e acc. to IEC 60068-2-6 20 200 Hz: 5g	Type of voltage		
• acc. to IEC 60068-2-6 Operating frequency maximum 1/h 1 000 Mechanical service life (switching cycles) • typical Protection class IP Equipment marking • acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 • acc. to DIN 81346-2 • acc. to DIN EN 61346-2 • 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 • for auxiliary 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 • 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 230 V Rated value • at 230 V Rated value • at DC-12 — at 60 V Rated value — at 110 V Rated value • at DC-13 — at 24 V Rated value • at DC-13 — at 24 V Rated value — at 60 V Rated value	 of the operating voltage 		AC/DC
Operating frequency maximum	Vibration resistance		
Number of NO contacts for auxiliary contac	• acc. to IEC 60068-2-6		20 200 Hz: 5g
● typical 10 000 000 Protection class IP IP65 Equipment marking ● acc. to DIN 40719 extended according to IEC 204-2 acc. to EIC 750 ● acc. to DIN EN 61346-2 S S Operating voitage ● Rated value V 5 250 Auxiliary circuit: Number of NC contacts ● for auxiliary contacts Operating current at AC-12 ● at 60 V Rated value A 10 Operating current at AC-15 ● 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 2.5 ● at 25 ● at 26 V Rated value A 3 — at 24 V Rated value A 1.2	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 critical	• 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 acc. to DIN EN 81346-2 S Operating voltage • Rated value V 5 250 Auxiliary circuit: Number of NC contacts • for auxiliary contacts 0 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 • at DC-12 — at 60 V Rated value • at DC-13 — at 24 V Rated value A 3 — at 60 V Rated value A 1.2	Protection class IP		IP65
204-2 acc. to IEC 750	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 • 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 • at 200 V Rated value • at 3 4 4 5 5 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	_		S
Operating voltage • Rated value 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 Operating current at AC-15 at 230 V Rated value A 4 Operating current at 25 V Rated value A 4 Operating current at 10 V Rated value A 5 • at 10 V Rated value A 5 • at 10 V Rated value A 2.5 • at DC-13 A 3 • at 60 V Rated value A 1.2	• acc. to DIN EN 61346-2		S
Operating voltage • Rated value V 5 250 Auxillary circuit: 250 Number of NC contacts 0 • 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 Operating current at AC-15 0 0 • at 230 V Rated value A 4 Operating current • at 230 V Rated value A 4 Operating current • at 110 V Rated value A 5 • at 110 V Rated value A 5 • at 110 V Rated value A 2.5 • at DC-13	• acc. to DIN EN 81346-2		S
Number of NC 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 110 V Rated value A 10 • at 230 V Rated value A 10 Operating current at AC-15 0 0 • at 230 V Rated value A 4 Operating current 0 0 • at DC-12 0 0 — at 60 V Rated value A 5 • at DC-13 0 0 — at 24 V Rated value A 3 — at 60 V Rated value A 1.2		V	5 250
• for auxiliary contacts 0 Operating current at AC-12 • at 60 ∨ Rated value • at 110 ∨ Rated value • at 24 ∨ Rated value • at 24 ∨ Rated value • at 230 ∨ Rated value A 10 Operating current at AC-15 • at 230 ∨ Rated value A 4 Operating current • at DC-12 — at 60 ∨ Rated value A 5 — at 110 ∨ Rated value A 5 • at 24 ∨ Rated value A 5 — at 110 ∨ Rated value A 5 — at 110 ∨ Rated value A 10 Operating current • at DC-12 — at 60 ∨ Rated value A 3 — at 24 ∨ Rated value A 3 — at 24 ∨ Rated value A 3 — at 24 ∨ Rated value A 1.2			
Number of NO contacts 1 • for auxiliary contacts 0 • for auxiliary contacts 0 • for auxiliary contacts 0 Operating current at AC-12 4 • 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 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-13 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 0 ● for auxiliary contacts 0 Operating current at AC-12 at 60 V Rated value ● at 110 V Rated value A 10 ● at 24 V Rated value A 10 ● 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 2.5 ● at DC-13 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 • at 60 V Rated value A 10 • at 110 V Rated value A 10 • at 24 V Rated value A • at 230 V Rated value A Operating current at AC-15 A • at 230 V Rated value A • at 230 V Rated value A • at DC-12 A — at 60 V Rated value A • at DC-13 A — at 24 V Rated value A — at 60 V Rated value A — at 60 V Rated value A — at 60 V Rated value A			
 at 60 V Rated value at 110 V Rated value at 24 V Rated value at 230 V Rated value at 230 V Rated value 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 			U
 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 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 		^	40
 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 DC-13 at 24 V Rated value A B A A B A B <			
 at 230 V Rated value 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 B A B A B A B A			
Operating current at AC-15 ■ at 230 V Rated value A 4 Operating current ■ at DC-12 ■ at DC-12 ■ at 110 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 A 4 Operating current ■ at DC-12 — at 60 V Rated value — 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 1.2		Α	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 A 3 at 60 V Rated value A 1.2 		A	4
 — at 60 V Rated value — at 110 V Rated value A 2.5 • 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 value A 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 Product Approval		Declaration of Conformity	Test Certificates	other	
(m)		CF	Special Test Certificate	other	Environmental Confirmations







other

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=3SB22020LD01

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

http://support.automation.siemens.com/WW/view/en/3SB22020LD01/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=3SB22020LD01&lang=en

last modified: 09.03.2015