SIEMENS

Product data sheet

3SB3247-0AA21-0CC0



22MM PLASTIC ROUND COMPLETE UNIT COMBINATION: ILLUMINATED PUSHBUTTON MOMENTARY CONTACT TYPE WITH FLAT BUTTON ILLUMINATED WITH INTEGRATED LED 24V AC/DC SPRING-LOADED TERMINAL, 1NO+1NC WITH HOLDER RED

Actuator / signaling device:			
Design of the product	Complete unit, round		
Design of the operating mechanism	Illuminated pushbutton		
Type of unlocking device	without		
Color / of the activation element	Red		
Material / of the activation element	plastic		
Shape / of the activation element	Flat pushbutton		
Number of switching positions	2		
Product component / front ring	Yes		
Material / of the front ring	plastic		
Color / of the front ring	black		
Design of the front ring	Standard		
Product function / EMERGENCY STOP function	No		

Contact block / lampholder			
Design of the electrical connection		spring-loaded terminals	
Number of switching elements		1	
Number of NC contacts / for auxiliary contacts		1	

Plastic

Material / of the holder

Number of NO contacts / for auxiliary contacts	1
Number of change-over switches / for auxiliary contacts	0
Product function / positive opening	Yes
Number of lampholders	1
Execution of the mounting	integrated LED
Product component / fluorescent materials	Yes
Product extension / optional / fluorescent materials	Yes

Product component / holder for 3 switching elements Yes

General technical details:				
Type of voltage / of the supply voltage / of the fluorescent material		AC/DC		
• of the fluorescent material / at 60 Hz / for AC / rated value	V	24		
• of the fluorescent material / at 50 Hz / for AC / rated value	V	24		
• of the fluorescent material / for DC / rated value	V	24		
Type of voltage / of the operating voltage		AC/DC		
Operating voltage / rated value				
• minimum	V	19		
• maximum	V	30		
Operating current				
• at AC-12				
• at 24 V / rated value	Α	10		
• at 48 V / rated value	Α	10		
• at 110 V / rated value	Α	10		
• at 230 V / rated value	Α	10		
• at 400 V / rated value	Α	10		
• at AC-15				
• at 24 V / rated value	Α	6		
• at 48 V / rated value	Α	6		
• at 110 V / rated value	Α	6		
• at 230 V / rated value	Α	6		
• at 400 V / rated value	Α	3		
• at DC-12				
• at 24 V / rated value	Α	10		
• at 48 V / rated value	Α	5		
• at 110 V / rated value	Α	2.5		
• at 230 V / rated value	Α	1		
• at DC-13				
• at 24 V / rated value	Α	3		

 at 48 V / rated value at 110 V / rated value at 230 V / rated value A 0.7 Resistance against shock for devices without incandescent lamp / according to IEC 60068-2-27 Resistance against vibration / according to IEC 60068-2-6 Coperating cycles / maximum Mechanical operating cycles as operating time / typical Item designation according to DIN EN 61346-2 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Tightening torque / of the screws in the bracket / maximum Ambient temperature during operating during storage C -25 +70 during storage Protection class IP climatic class / during the operating phase / according to EN 60721 Type of mounting Shape / of the installation hole Installation width mm 28.5 Mounting depth mm 8 Mounting depth mm 63 			
* at 230 V / rated value Resistance against shock * for devices without incandescent lamp / according to IEC 60068-2-27 Resistance against vibration / according to IEC 60068-2-6 Operating cycles / maximum 1/h 1,000 Mechanical operating cycles as operating time / typical Item designation * according to DIN EN 61346-2 * according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Tightening torque / of the screws in the bracket / maximum Ambient temperature * during operating * during storage Protection class IP Climatic class / during the operating phase / according to EN 60721 Type of mounting Shape / of the installation hole Installation width mm 22 Mounting height # A 0.3	• at 48 V / rated value	Α	1.5
Resistance against shock • for devices without incandescent lamp / according to IEC 60068-2-7 Resistance against vibration / according to IEC 60068-2-6 Operating cycles / maximum I/h 1,000 Mechanical operating cycles as operating time / typical Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Tightening torque / of the screws in the bracket / maximum Ambient temperature • during operating • during storage Protection class IP climatic class / during the operating phase / according to EN 60721 Type of mounting Shape / of the installation hole Installation width mm 28.5 Mounting diameter mm 8	• at 110 V / rated value	Α	0.7
* for devices without incandescent lamp / according to IEC 60068-2-27 Resistance against vibration / according to IEC 60068-2-6 Operating cycles / maximum 1/h 1,000 Mechanical operating cycles as operating time / typical Item designation * according to DIN EN 61346-2 * according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Tightening torque / of the screws in the bracket / maximum Ambient temperature * during operating * during storage Protection class IP climatic class / during the operating phase / according to EN 60721 Type of mounting Shape / of the installation hole Installation width Mounting diameter Mounting diameter mm 8 20 20 20 20 40 480 Front mounting front mounting front mounting Mounting diameter mm 22 Mounting height	• at 230 V / rated value	Α	0.3
Resistance against vibration / according to IEC 60068-2-6 Operating cycles / maximum I/h 1,000 Mechanical operating cycles as operating time / typical Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Tightening torque / of the screws in the bracket / maximum Ambient temperature • during operating • during storage Protection class IP climatic class / during the operating phase / according to EN 60721 Type of mounting Shape / of the installation hole Installation width Mounting diameter Mounting diameter mm 22 Mounting height	Resistance against shock		
Operating cycles / maximum 1/h 1,000 Mechanical operating cycles as operating time / typical 3,000,000 Item designation **according to DIN EN 61346-2 \$ **according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 \$ Tightening torque / of the screws in the bracket / maximum N·m 1 Ambient temperature **C -25 +70 * during operating **C -40 +80 * during storage **C -40 +80 Protection class IP IP66 Climatic class / during the operating phase / according to EN 60721 3K6 Type of mounting front mounting Shape / of the installation hole round Installation width mm 28.5 Mounting diameter mm 22 Mounting height mm 8			<= 50g
Mechanical operating cycles as operating time / typical 3,000,000 Item designation *according to DIN EN 61346-2 S *according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 S Tightening torque / of the screws in the bracket / maximum N-m 1 Ambient temperature *during operating *C -25 +70 *during storage *C -40 +80 Protection class IP IP66 climatic class / during the operating phase / according to EN 60721 3K6 Type of mounting front mounting Shape / of the installation hole round Installation width mm 28.5 Mounting diameter mm 22 Mounting height mm 8	Resistance against vibration / according to IEC 60068-2-6		20 200 Hz: 5g
Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Tightening torque / of the screws in the bracket / maximum Ambient temperature • during operating • during storage Protection class IP climatic class / during the operating phase / according to EN 60721 Type of mounting Shape / of the installation hole Installation width Mounting diameter Mounting height S S S S S S S S S S S S S	Operating cycles / maximum	1/h	1,000
according to DIN EN 61346-2 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Tightening torque / of the screws in the bracket / maximum Ambient temperature during operating during storage Protection class IP climatic class / during the operating phase / according to EN 60721 Type of mounting Shape / of the installation hole Installation width Mounting diameter Mounting height S S S S S S S S S S S S S	Mechanical operating cycles as operating time / typical		3,000,000
*according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Tightening torque / of the screws in the bracket / maximum Ambient temperature *during operating *during storage Protection class IP climatic class / during the operating phase / according to EN 60721 Type of mounting Shape / of the installation hole Installation width mm 28.5 Mounting diameter mm 22 Mounting height S **Ambient IEC 204-2 / according to IN - IN	Item designation		
Tightening torque / of the screws in the bracket / maximum Ambient temperature • during operating • during storage Protection class IP Climatic class / during the operating phase / according to EN 60721 Type of mounting Shape / of the installation hole Installation width Mounting diameter Mounting height N·m 1 1 1 1 1 1 1 1 1 1 1 1 1	according to DIN EN 61346-2		S
Ambient temperature • during operating • during storage Protection class IP climatic class / during the operating phase / according to EN 60721 Type of mounting Shape / of the installation hole Installation width mm 28.5 Mounting height o C -25 +70 -40 +80 IP66 SK6 Type 6 Iront mounting front mounting round 28.5	· ·		S
 during operating during storage C -25 +70 during storage C -40 +80 Protection class IP IP66 C sk 3K6 Type of mounting front mounting Shape / of the installation hole Installation width mm 28.5 Mounting diameter mm 22 Mounting height mm 8 8	Tightening torque / of the screws in the bracket / maximum	N⋅m	1
 • during storage • C -40 +80 Protection class IP IP66 Climatic class / during the operating phase / according to EN 60721 Type of mounting Shape / of the installation hole Installation width Mounting diameter Mounting height • C -40 +80 IP66 3K6 Front mounting round 28.5 Mounting height mm 8 	Ambient temperature		
Protection class IP IP66 climatic class / during the operating phase / according to EN 60721 Type of mounting front mounting Shape / of the installation hole round Installation width mm 28.5 Mounting diameter mm 22 Mounting height 8 IP66 3K6 Tront mounting round mm 28.5	during operating	°C	-25 +70
climatic class / during the operating phase / according to EN 60721 Type of mounting Shape / of the installation hole Installation width mm 28.5 Mounting diameter mm 22 Mounting height Mounting height	during storage	°C	-40 +80
Type of mounting front mounting Shape / of the installation hole round Installation width mm 28.5 Mounting diameter mm 22 Mounting height mm 8	Protection class IP		IP66
Shape / of the installation hole round Installation width mm 28.5 Mounting diameter mm 22 Mounting height mm 8			3K6
Installation widthmm28.5Mounting diametermm22Mounting heightmm8	Type of mounting		front mounting
Mounting diameter mm 22 Mounting height mm 8	Shape / of the installation hole		round
Mounting height mm 8	Installation width	mm	28.5
	Mounting diameter	mm	22
Mounting depth mm 63	Mounting height	mm	8
	Mounting depth	mm	63

Certificates/approvals:

General Product Approval

Declaration of Conformity

Test Certificates









Special Test Certificate

Shipping Approval











other

Confirmation

other

Environmental Confirmations

Further information:

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

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

Industry Mall (Online ordering system)

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

Cax online generator:

http://www.siemens.com/cax

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

http://support.automation.siemens.com/WW/view/en/3SB3247-0AA21-0CC0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SB3247-0AA21-0CC0

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