SIEMENS

Product data sheet   **3SB3647-0AA41**

22MM METAL ROUND COMPLETE UNIT COMBINATION:
ILLUMINATED PUSHBUTTON MOMENTARY CONTACT
TYPE WITH FLAT BUTTON ILLUMINATED WITH
INTEGRATED LED 24V AC/DC SCREW TERMINAL,
1NO+1NC WITH HOLDER GREEN

Enclosure:	
Material / of the enclosure	metal
Form / of the enclosure front	round

Actuator / signaling device:	
Design of the product	Complete unit, round
Design of the operating mechanism	Illuminated pushbutton
Type of unlocking device	without
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	metal
Color / of the front ring	silver
Design of the front ring	Standard

Holder:	
Material / of the holder	Metal

Contact block / lampholder	
Design of the electrical connection	screw-type terminals

Number of switching elements			1
Number of NC contacts / for auxiliary contacts			1
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

Accessories:

Product component / holder for 3 switching elements			Yes

General technical details:

Type of voltage / of the supply voltage / of the fluorescent material			AC/DC
Supply voltage / 1 / of the fluorescent material			
• at 60 Hz / for AC / rated value	V		24
• at 50 Hz / for AC / rated value	V		24
• for DC / rated value	V		24
Type of voltage / of the operating voltage			AC/DC
Operating voltage			
• rated value	V		21.6 … 26.4
Operating current			
• at AC-12			
• at 24 V / rated value	A		10
• at 48 V / rated value	A		10
• at 110 V / rated value	A		10
• at 230 V / rated value	A		10
• at 400 V / rated value	A		10
• at AC-15			
• at 24 V / rated value	A		6
• at 48 V / rated value	A		6
• at 110 V / rated value	A		6
• at 230 V / rated value	A		6
• at 400 V / rated value	A		3
• at DC-12			
• at 24 V / rated value	A		10
• at 48 V / rated value	A		5
• at 110 V / rated value	A		2.5
• at 230 V / rated value	A		1

• at DC-13			
• at 24 V / rated value	A	3	
• at 48 V / rated value	A	1.5	
• at 110 V / rated value	A	0.7	
• at 230 V / rated value	A	0.3	
• for devices without incandescent lamp / according to IEC 60068-2-27		<= 50g	
Resistance against vibration / according to IEC 60068-2-6		20 ... 200 Hz: 5g	
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		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	
• during operating	°C	-25 … +70	
• during storage	°C	-40 … +80	
Protection class IP		IP67	
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	12	
Mounting depth	mm	63	

Certificates/approvals:

General Product Approval	Test Certificates
CCC CSA GOST UL	Special Test Certificate

Shipping Approval

ABS   DNV   LRS   PRS   RINA

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/3SB3647-0AA41/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SB3647-0AA41

last change: Jan 21, 2013