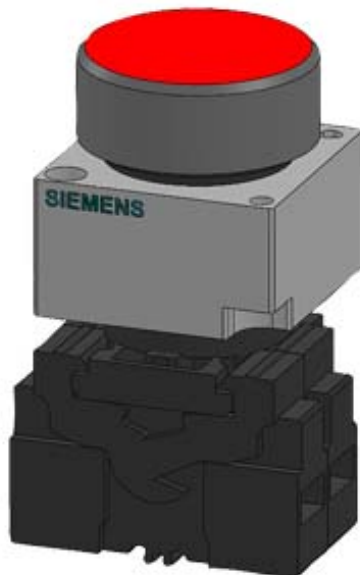




22MM METAL ROUND COMPLETE UNIT COMBINATION:
ILLUMINATED PUSHBUTTON MOMENTARY CONTACT TYPE
WITH FLAT BUTTON ILLUMINATED WITH INTEGRATED LED 24V
AC/DC SCREW TERMINAL, 1NC WITH HOLDER RED SOLVENT-
RESISTANT NON INSCRIBABLE WITH LASER

Design of the product	Complete unit round
Enclosure:	
Shape of the enclosure front	round
Material of the enclosure	metal
Number of command points	1
Actuator:	
Design of the operating mechanism	Illuminated pushbutton
Manner of function of the actuating element	Momentary contact type
Product extension optional Light source	Yes
Color	
• of the actuating element	Red
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	metal
Color of the front ring	silver
Holder:	
Material of the holder	Metal
Contact block/ lampholder:	
Mounting type	integrated LED
Number of lampholders	1
Number of switching elements	1
General technical data:	
Product function	
• positive opening	Yes
Product component	
• Light source	Yes
Protection class IP	IP67
Vibration resistance	
• acc. to IEC 60068-2-6	20 ... 200 Hz: 5g
Operating frequency maximum	1 000 1/h
Mechanical service life (switching cycles)	
• typical	3 000 000
Equipment marking	
• acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	S
• acc. to DIN EN 61346-2	S
• acc. to DIN EN 81346-2	S
Supply voltage:	
Type of voltage of the supply voltage	
• of the light source	AC/DC
Supply voltage 1 of the light source at AC	
• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V
Supply voltage 1 of the light source at DC	
• rated value	24 V
Relative negative tolerance of the supply voltage	-15 %
Relative positive tolerance of the supply voltage	10 %
Auxiliary circuit:	
Number of NC contacts	
• for auxiliary contacts	1
Number of NO contacts	
• for auxiliary contacts	0
Number of CO contacts	
• for auxiliary contacts	0

Consumed current for rated value of supply voltage maximum	18 mA
Operating current at AC-12	
• at 24 V rated value	10 A
• at 48 V rated value	10 A
• at 110 V rated value	10 A
• at 230 V rated value	10 A
• at 400 V rated value	10 A
Operating current at AC-15	
• at 24 V rated value	6 A
• at 48 V rated value	6 A
• at 110 V rated value	6 A
• at 230 V rated value	6 A
• at 400 V rated value	3 A
Operating current at DC-12	
• at 24 V rated value	10 A
• at 48 V rated value	5 A
• at 110 V rated value	2.5 A
• at 230 V rated value	1 A
Operating current at DC-13	
• at 24 V rated value	3 A
• at 48 V rated value	1.5 A
• at 110 V rated value	0.7 A
• at 230 V rated value	0.3 A

Connections/ Terminals:

Type of electrical connection	screw-type terminals
Tightening torque of the screws in the bracket	1.4 ... 1.6 N·m

Ambient conditions:

Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
Environmental category during operation acc. to IEC 60721	3K6

Installation/ mounting/ dimensions:

Mounting type	front mounting
Shape of the installation opening	round
Mounting diameter	22 mm
Mounting height	12 mm
Installation width	28.5 mm
Installation depth	49 mm

Accessories:

Product component holder for 3 switching elements

Yes

Certificates/approvals

General Product Approval

Declaration of Conformity

Test Certificates



CCC



CSA



UL



EG-Konf.

[spezielle
Prüfbescheinigunge
n](#)

Shipping Approval

other



ABS



DNV



LRS



PRS



RINA

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Further information

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SB3646-0AA21-0PA0>

Cax online generator

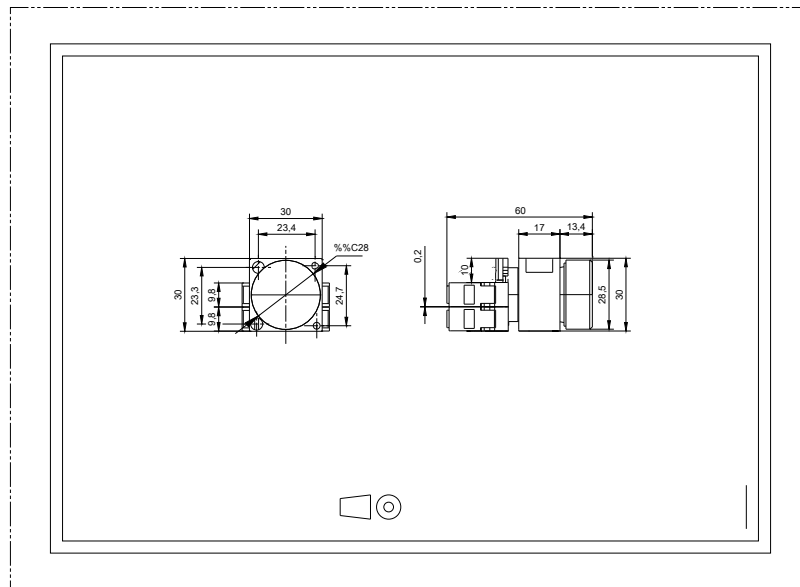
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB3646-0AA21-0PA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SB3646-0AA21-0PA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB3646-0AA21-0PA0&lang=en



last modified:

10/07/2016