

22MM METAL 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

Design of the product	Complete unit round
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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
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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	1
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	

<ul style="list-style-type: none"> • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 230 V rated value 	10 A 5 A 2.5 A 1 A
Operating current at DC-13	
<ul style="list-style-type: none"> • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 230 V rated value 	3 A 1.5 A 0.7 A 0.3 A

Connections/Terminals

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

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage 	-25 ... +70 °C -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	63 mm

Accessories

Product component holder for 3 switching elements	Yes
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Certificates/approvals

General Product Approval				Declaration of Conformity	Test Certificates
 CCC	 CSA	 UL		 EG-Konf.	spezielle Prüfbescheinigungen

Shipping Approval					other
 ABS	 DNV	 LRS	 PRS	 RINA	Bestätigungen

other	
Umweltbestätigung	sonstig

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=3SB3647-0AA21-0CC0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB3647-0AA21-0CC0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SB3647-0AA21-0CC0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB3647-0AA21-0CC0&lang=en

last modified:

12/19/2016