

Panel mounted buzzers Ex9PB

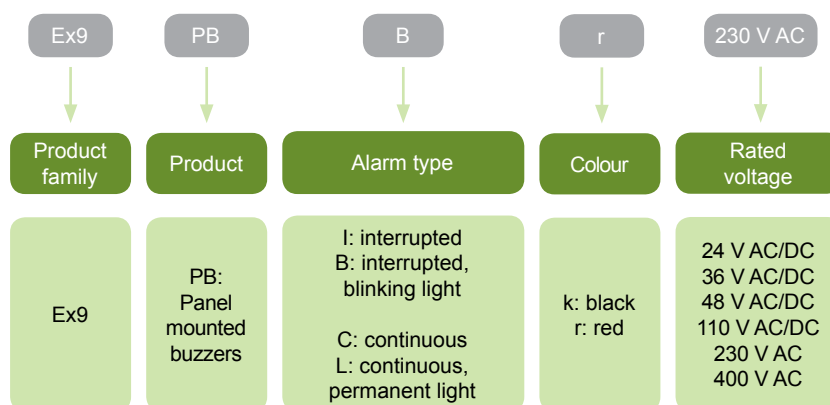


- Panel mounted buzzers
- Meet requirements of IEC / EN 60947-5-1
- Degree of protection IP30
- Interrupted and continuous variants
- Device's height 54 mm
- Easy mounting into 22 mm panel cutout
- Illuminated and non-illuminated versions
- LED lighting technology

Panel mounted buzzers Ex9PB are suitable mainly for industrial applications, security system, etc., where it is necessary to signalize with sound some event occurring in the circuit.

They are offered with device's body height 54 mm and two basic versions, interrupted and continuous. Both of them are available in illuminated and non-illuminated variants with black and semi-transparent red head colour, respectively. Used LEDs reduce current consumption, heat dissipation and extend service life.

Type Key



Certification marks



Panel mounted buzzers Ex9PB

Interrupted types

- Tone length 0.5 s, signal frequency 1 Hz, tone frequency 2300 Hz, noise level 75-105 dB
- Scope of delivery: complete device consisting of device body, internal sound module, head cover



Rated voltage	Illuminated	Colour	Article No.	Type	Packing
24 V AC/DC	no	black	105689	Ex9PB I k 24V AC/DC	1/10
36 V AC/DC	no	black	105690	Ex9PB I k 36V AC/DC	1/10
48 V AC/DC	no	black	105691	Ex9PB I k 48V AC/DC	1/10
110 V AC/DC	no	black	105692	Ex9PB I k 110V AC/DC	1/10
230 V AC	no	black	105693	Ex9PB I k 230V AC	1/10
400 V AC	no	black	105694	Ex9PB I k 400V AC	1/10
24 V AC/DC	no	red	105695	Ex9PB I r 24V AC/DC	1/10
36 V AC/DC	no	red	105696	Ex9PB I r 36V AC/DC	1/10
48 V AC/DC	no	red	105697	Ex9PB I r 48V AC/DC	1/10
110 V AC/DC	no	red	105698	Ex9PB I r 110V AC	1/10
230 V AC	no	red	105699	Ex9PB I r 230V AC	1/10
400 V AC	no	red	105700	Ex9PB I r 400V AC	1/10

Interrupted blinking types

- Tone length 0.5 s, signal frequency 1 Hz, tone frequency 2300 Hz, noise level 75-105 dB
- Scope of delivery: complete device consisting of device body, internal sound and LED module, head cover



Rated voltage	Illuminated	Colour	Article No.	Type	Packing
24 V AC/DC	yes	red	105701	Ex9PB B r 24V AC/DC	1/10
36 V AC/DC	yes	red	105702	Ex9PB B r 36V AC/DC	1/10
48 V AC/DC	yes	red	105703	Ex9PB B r 48V AC/DC	1/10
110 V AC/DC	yes	red	105704	Ex9PB B r 110V AC	1/10
230 V AC	yes	red	105705	Ex9PB B r 230V AC	1/10
400 V AC	yes	red	105706	Ex9PB B r 400V AC	1/10

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Continuous types

- Tone frequency 2300 Hz, loudness 75-105 dB
- Scope of delivery: complete device consisting of device body, internal sound module, head cover



Rated voltage	Illuminated	Colour	Article No.	Type	Packing
24 V AC/DC	no	black	105707	Ex9PB C k 24V AC/DC	1/10
36 V AC/DC	no	black	105708	Ex9PB C k 36V AC/DC	1/10
48 V AC/DC	no	black	105709	Ex9PB C k 48V AC/DC	1/10
110 V AC/DC	no	black	105710	Ex9PB C k 110V AC	1/10
230 V AC	no	black	105711	Ex9PB C k 230V AC	1/10
400 V AC	no	black	105712	Ex9PB C k 400V AC	1/10
24 V AC/DC	no	red	105713	Ex9PB C r 24V AC/DC	1/10
36 V AC/DC	no	red	105714	Ex9PB C r 36V AC/DC	1/10
48 V AC/DC	no	red	105715	Ex9PB C r 48V AC/DC	1/10
110 V AC/DC	no	red	105716	Ex9PB C r 110V AC	1/10
230 V AC	no	red	105717	Ex9PB C r 230V AC	1/10
400 V AC	no	red	105718	Ex9PB C r 400V AC	1/10

Continuous lighting types

- Tone frequency 2300 Hz, loudness 75-105 dB
- Scope of delivery: complete device consisting of device body, internal sound and LED module, head cover



Rated voltage	Illuminated	Colour	Article No.	Type	Packing
24 V AC/DC	yes	red	105719	Ex9PB L r 24V AC/DC	1/10
36 V AC/DC	yes	red	105720	Ex9PB L r 36V AC/DC	1/10
48 V AC/DC	yes	red	105721	Ex9PB L r 48V AC/DC	1/10
110 V AC/DC	yes	red	105722	Ex9PB L r 110V AC	1/10
230 V AC	yes	red	105723	Ex9PB L r 230V AC	1/10
400 V AC	yes	red	105724	Ex9PB L r 400V AC	1/10

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Position and function description labels

- Various versions of labels
- Holder and labels to be ordered separately
- Silver plastic material of stickers
- Self-adhesive - can be stuck onto the holder or inserted underneath of transparent cover
- Printing colour of standard and customer defined labels: black
- Customer defined variants of labels (ordering quantity as multiple of 7 pcs, printing can be different for every single piece)*



Description	Article No.	Type	Packing
Holder for labels	106776	Ex9P1 S SH	1
Label printing			
Empty label (25x11 mm)	106777	Ex9P1 S S0	10
OFF - ON	106778	Ex9P1 S S1	10
0 - I	106779	Ex9P1 S S2	10
I - 0 - II	106780	Ex9P1 S S3	10
STOP - START	106781	Ex9P1 S S4	10
0 - 1	106782	Ex9P1 S S5	10
1 - 0 - 2	106783	Ex9P1 S S6	10
STOP	106784	Ex9P1 S S7	10
START	106785	Ex9P1 S S8	10
ON	106786	Ex9P1 S S9	10
OFF	106787	Ex9P1 S S10	10
RUN	106788	Ex9P1 S S11	10
AUTO	106789	Ex9P1 S S12	10
FAULT	106790	Ex9P1 S S13	10
Customer defined printing*	107876	Ex9P1 S S_USER	7

**) Ordering of customer defined stickers:*

- Order the item 107876
- Attach the information with requested sticker text and quantity of stickers with given content. Each sticker can be different
- Minimum ordering quantity is 7 pieces and multiples
- In case of graphic symbol to be produced, it is necessary to deliver source data (pdf, ai, jpg, png, etc.)
- Mention positioning of the sticker (standard horizontal, vertical)
- Maximum printable area is 10 x 24 mm (H x W)

Technical Data Ex9PB

Panel mounted buzzers

General parameters

Suitable mainly for industrial applications, security system, etc.

Interrupted and continuous, illuminated and non-illuminated versions

Easy mounting into standard 22 mm panel cutout

LED lighting technology

Electrical parameters

Tested according to	IEC / EN 60947-5-1
Rated operational voltage U_e	24, 36, 48, 110 V AC/DC 230, 400 V AC
Rated operational current I_e	≤ 20 mA
Rated frequency f	50/60 Hz
Rated impulse withstand voltage U_{imp}	2.5 kV
Rated insulation voltage U_i	400 V
Electrical service life	$\geq 30\,000$ hours
Tone frequency	2300 Hz
Tone length (interrupted versions)	0.5 s, period 1 s
Sound loudness	75 — 105 dB
Power consumption	< 1 W
LED brightness	≥ 20 cd/m ²

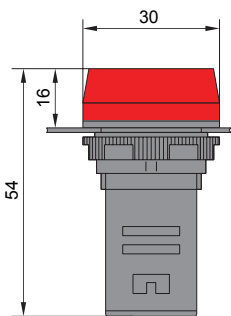
Mechanical parameters

Mounting	into standard 22 mm panel cutout
Mounting position	arbitrary
Degree of protection	IP30 (IP20 terminals)
Terminals	lift
Terminal capacity	0.5 — 2.5 mm ²
Fastening torque of terminals	0.8 Nm
Ambient temperature	-5 — +40 °C
Altitude	≤ 2000 m
Relative humidity	≤ 90 % at 20°C
Pollution degree	3
Installation class	II
Overvoltage category	III

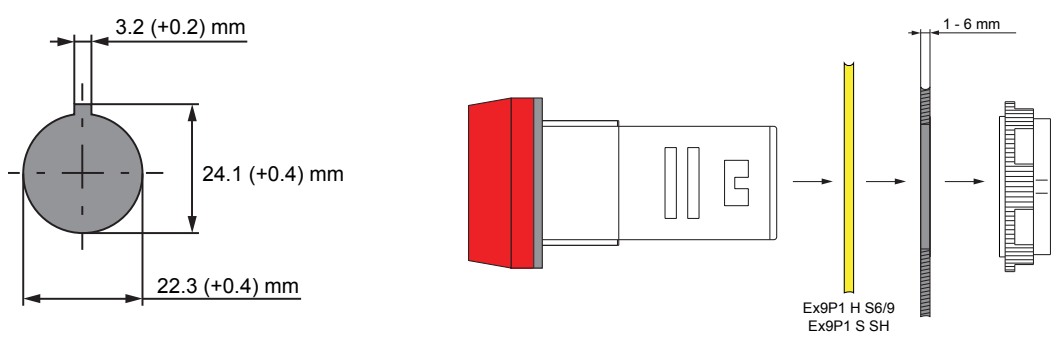
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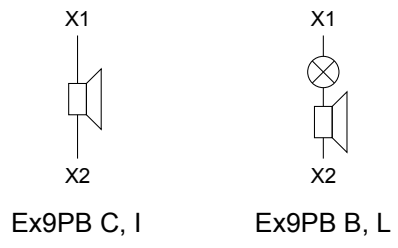
Dimensions



Mounting



Wiring diagram



Dimensions (holder for labels)

