

Manual push button of PWP1 fire switch with certificate



Ordering code

PWP1- W01 - - -

Hammer
without hammer
-M with hammer

See "LED specifications" table

Switches
10, 20, 30
01, 02, 03
11, 12
21

Pushbutton type
A triggered automatically after breaking the glass
B after breaking the glass press the button manually

Version
W01 surface mounting

Examples of markings:

1. PWP1-W01-A-11-2LED7-surface mounted version with 1 NO switch and 1 NC switch, 230V green led/230V red led. After breaking the glass, the button is released automatically.
2. PWP1-W01-B-11-2LED7-surface mounted version with 1 NO switch and 1 NC switch, 230V green led/230V red led. After breaking the glass, the button must be pressed manually.

Product description

The manual button activates the "Fire switch", which will disconnect the building's power supply from the electricity source during a fire and a rescue operation. The fire switch which cuts off the power supply to all circuits, with the exception of the circuits supplying the systems and equipment, the operation of which is necessary during fire, should be used in fire zones with a volume exceeding 1000 m³ or including zones endangered with explosion.

The fire switch should be located near the main entrance to the facility or a connector and properly marked. Cutting off the power supply with a fire switch may not automatically switch on the second source of electric energy, including the generating set. The exception is the sources of power supplying electrical devices that must function in the event of a fire.

The PWP1 manual start button can be used as a "fire switch" provided that a label is placed above it: "Fire switch". The set includes a self-adhesive label: "Fire switch".

The manual PWP1 start button with double LED signaling provides information about:

1. Green diode—activation status
2. Red diode—supervision status

The LEDs are terminated with a terminal block. The red led should be on when the switch is on, when the glass is broken, the red led should go out, and the green led should be on, which informs that the power in the building is disconnected. The green led should be powered from a separate power source, preferably from a switch.

The minimum number of wires needed to connect the switch:

Version of the switch with 2 LEDs:

1. 2leads+3contacts-minimum 6 wires
2. 2leads+2contacts-minimum 5 wires
3. 2leads+1contact-minimum 4 wires

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Technical data

Rated insulation voltage U_i	500 V
Rated continuous current $I_u = I_{th}$	10 A
Rated operational current I_e for AC-15	2.5 A (230 V) 1.6 A (400/500 V)
Rated operational current I_e for AC-13	4 A (24 V) 1 A (110 V) 0.25 A (220 V)
Degree of protection	IP65
Wire gauge	1...2.5 mm ² (solid) 0.75...1.5 mm ² (stranded)
Ambient temperature	-25 ... +70°C (work) -25 ... +70°C (storage)
Climate class	II
Compliance with the standard	PN-EN 60947-5-1 IEC 60947-5-1 IEC 60947-1 PN-EN 60529:2003 PN-EN 60068-2-1:2009 PN-EN 60068-2-2:2009 PN-EN 60068-2-6:2008 PN-EN 60068-2-42:2004 PN-EN 60068-2-75:2015 PN-EN 60068-2-78:2013 PN-EN 50130-4:2002+A1:2015 PN-EN 61000-4-2:2009 PN-EN 61000-4-3:2007+A1:2008+A2:2011 PN-EN 61000-4-4:2013 PN-EN 61000-4-5:2014 PN-EN 61000-4-6:2014

Accessories

Hammer with a holder PPOŻ-1200\P01

Glass PPOŻ-5701\P01

Normally open switch (10) green

Normally closed switch (01) red

"Fire alarm switch" plate

LED specifications

Kod	Opis	Kod	Opis
24	green 24V AC/DC	2LED11	C24VDC+Z24VDC
230	green 230V AC	2LED12	C24VDC+ZP24VDC
2LED7	C230VAC+Z230VAC	2LED13	CP24VDC+Z230VAC
2LED8	C230VAC+Z24VDC	2LED14	CP24VDC+Z24VDC
2LED9	C230VAC+ZP24VDC	2LED15	CP24VDC+ZP24VDC
2LED10	C24VDC+Z230VAC		
C230VAC	red	230VAC - sygnalizacja ciągła	
Z230VAC	green	230VAC - sygnalizacja ciągła	
C24VDC	red	24VDC - sygnalizacja ciągła	
Z24VDC	green	24VDC - sygnalizacja ciągła	
CP24VDC	red	24VDC - sygnalizacja pulsująca 2Hz	
ZP24VDC	green	24VDC - sygnalizacja pulsująca 2Hz	

Note

When selecting current paths, the selected type (A or B) should be taken into account

TYP A

NO contacts (10, 20, 30): after breaking the glass or removing the cover, the contacts open.

NC contacts (01,02,03): after breaking the glass or removing the cover, the contacts close.

Mixed NC/NO contacts (11,12,21): after breaking the glass, the NO contacts will open and the NC contacts will close.

TYP B

NO contacts (10, 20, 30): after breaking the glass or removing the cover, the button must be pressed manually - the contacts close.

NC contacts (01,02,03): after breaking the glass or removing the cover, the button must be pressed manually - the contacts will open.

Mixed NC/NO contacts (11,12,21): after pressing the button, the NO contacts will close and the NC contacts will open.

Dimensions

surface mounting

