



Ref. No. 686073 | Cat. No. PLS+161024A

Description: PULSAR-S+ impulse switch 16A 1CO 24Vac

EAN 5413656860730

Products > Modular DIN-rail devices > Comfort functions > Impulse switches

Description:

• **Function:**

Impulse switches are electromechanically controlled switches used to control single- or multi-phase medium-power loads while the control itself can be (very) low power. The device switches between 2 stable positions, each time a (brief) impulse energises its control circuit.

• **Application:**

Mainly used for the switching of lighting and heating equipment and/or to obtain a simplified wiring in case the load needs to be controlled at reduced voltage and/or from more than 2 different places.

• **Features:**

- Besides the normal operation through electrically energising the coil, manual operation is possible at all times, except PLS series SA and SB.
- The switch position is visualised by the position of the front handle for all devices, except PLS series SA and SB.
- The central command version was developed to force several devices at the same time to the on or off position, independently of the current status of each individual device. Also in this case, the possibility of operating the device locally remains.
- The safety terminals are equipped with captive Pozidriv screws and have IP20 protection degree.
- An add-on auxiliary contact, add-on central-command module and a spacer are available.
- 3 and 4 poles devices are multi voltage (except all-in central command).
- The use of a large number of luminous push-buttons is possible.
- Availability of sealing cap for coil and load terminals.

Descriptors

Category	Impulse switches
Family	Impulse switch - PULSAR S+

Specifications

Rated switching capacity (A)	16 A
Contact combination	1CO
Coil voltage (V)	24 Vac
Coil Power: DC/AC factor	0.5:1 (12 Vdc)
Max load of Incandescent lamp & fluor lamp	3.000 W
Max load illum circ- No parallel capacitor- fluor lamp	3.000 VA
Max load illum circ- capacitor parallel to coil- fluor lamp	2.500 VA
Max load illum circ- Parallel compens capacitor- fluor lamp	1.800 VA
Rated switching cap 250Vac (1P&2P)/400Vac (3P&4P)	16 A
Max electr ballast load Rating of the fuse	20 A
AC/DC	AC
Number of modules	1
Standard packing	12
Standards	CE, IEC 60669-1, IEC 60669-2-2
Coil Voltage range (in % from Un)	90-110 %
Electrical life service Mechanical	2 x 10 ⁶
Max electr ballast load Max load/phase	20 A
Max electr ballast load- Max load at inductive load 30 Vdc	16 A

Specifications

Max electr ballast load Min load/phase at 5V	2 W
Min duration of command impulse (at Un)	0.050 s
Min duration of command impulse (at 90% Un)	0.100 s
Min duration of pause between 2 impulses	0.150 s
Max number of command impulses/minute	250
Rated switching cap Inductive load (at 30Vdc)	16 A
Number of mod Drive module	1 mod.
Number of mod With section power contact	2 mod.
Coil Maximum continuous time of coil energisation	Unrestricted
Max number of push-buttons Not illum push-buttons	Unrestricted
Max number of illum push-buttons with 3 lamps	Unrestricted
Max number of illum push-buttons with 2 lamps	See technical catalogue
Electrical at full voltage AC-1	4 x 10 ⁵
Terminal capacity (diameter min/max)	1.5 - 10 mm ²
Operating temperature range (min/max)	-20°C / +45°C
Coil pick-up power (AC)	14,5 VA
Coil power-loss - AC	11 VA
Coil power-loss - DC	7,5 W

Classifications

ETIM 5.0	EC000188
ETIM 6.0	EC000188

Dimensions

Weight	0.115 kg
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