

# Actuator

22-  
221.014

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Mouser



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22-221.014  
Actuator

#### FRONT

**Front dimension:** 36 mm x 24 mm

**Front form:** Rectangular

**Front bezel colour:** Black

**Front bezel material:** Plastic

#### MOUNTING

**Design:** Flush

**Mounting cut-out:** 22 mm x 30 mm

**Mounting type:** Panel mounting

#### OPERATING-/INDICATION PART

**Lens illumination:** Optional illuminated

#### ELECTRICAL CHARACTERISTICS

<b>Switching voltage and switching current:</b>	400 VAC, 10 A (ohmic) 400 VAC, 4 A (inductive, $\cos(\phi) = 0.7$ ) 250 VAC, 5 A (inductive, $\cos(\phi) = 0.7$ ) 125 VAC, 8 A (inductive, $\cos(\phi) = 0.7$ ) 110 VDC, 0.4 A (inductive, L:R = 30 ms) 60 VDC, 1.5 A (inductive, L:R = 30 ms) 24 VDC, 6 A (inductive, L:R = 30 ms)
<b>Contacts:</b>	1 NO
<b>Switching rating:</b>	400 V @ 10 A
<b>Electrical lifetime:</b>	50 000 cycles of operation
<b>Electric strength:</b>	2000 VAC, 50 Hz, 1 minute, as per IEC 60512-2-11 between all terminals and earth

## MECHANICAL CHARACTERISTICS

<b>Terminal:</b>	Plug-in terminal, 6.3 x 0.8 mm
<b>Contact material:</b>	Silver
<b>Switching action:</b>	Maintained
<b>Switching system:</b>	Snap-action switching element
<b>Switching system:</b>	Self-cleaning, double-break snap action switching system (contact opening width 2 mm x 1.5 mm). Max. 2 normally closed or 2 normally open contacts, or one of each
<b>Mechanical lifetime:</b>	1 Mil. cycles of operation (RCC/RPB)
<b>Operating force:</b>	4.4 N $\pm 1$ N (1 switching element), 7.8 N $\pm 1$ N (2 switching element)
<b>Operating Travel:</b>	5.5 mm $\pm 0.5$ mm
<b>Travel:</b>	> 3 mm
<b>Weight:</b>	0.031 kg

## AMBIENT CONDITION

<b>IP Protection:</b>	IP20 rear side, IP65 front side, according to IEC 60529
<b>Operating temperature:</b>	- 25 °C ... + 55 °C
<b>Storage temperature:</b>	- 40 °C ... + 95 °C
<b>Shock resistance:</b>	50 g for 11 ms, according to IEC 60512-4-3
<b>Vibration resistance:</b>	10 g at 10 Hz...2000 Hz, amplitude 0.75 mm (Sinusoidal), according to DIN EN 60512-4-4

## CERTIFICATE

<b>Approbations:</b>	CB (IEC 61058-1), CSA, EAC, ENEC (EN 61058-1), UL
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**Conformities:**

CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

**REACH:**

REACH compliant

**RoHS:**

RoHS compliant

## OTHER

**Short Description:**

Actuator, 22 mm x 30 mm, 36 mm x 24 mm, Optional illuminated, Rectangular, Black, Plastic, 1 NO, Maintained, Plug-in terminal, 6.3 x 0.8 mm

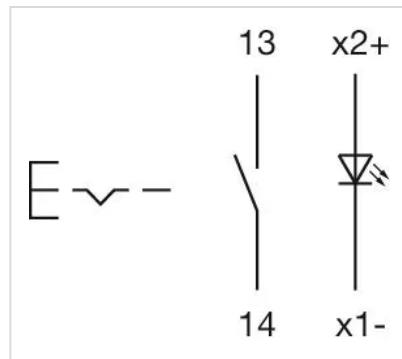
**Housing colour:**

Black

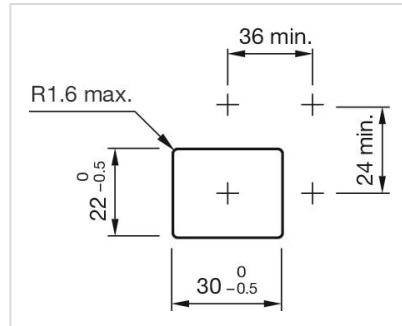
**Housing material:**

Plastic

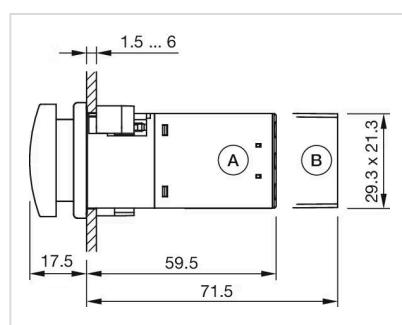
**Wiring diagrams:**



**Mounting cut-outs:**

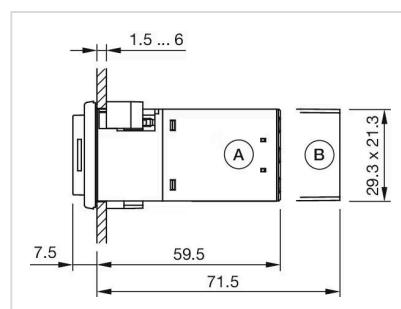


**Dimension drawings:**



A = Screw terminal

B = Plug-in terminal 6.3 mm x 0.8 mm



A = Screw terminal

B = Plug-in terminal 6.3 mm x 0.8 mm