

# Actuator

22-  
221.011



<https://www.eao.com/p/22-221.011>

Your product:

---



## 22-221.011 Actuator

### FRONT

<b>Front dimension:</b>	36 mm x 24 mm
<b>Front form:</b>	Rectangular
<b>Front bezel colour:</b>	Black
<b>Front bezel material:</b>	Plastic

### MOUNTING

<b>Design:</b>	Flush
<b>Mounting cut-out:</b>	22 mm x 30 mm
<b>Mounting type:</b>	Panel mounting

### OPERATING-/INDICATION PART

<b>Lens illumination:</b>	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 CHARACTERISTIC

<b>Terminal:</b>	Screw terminal
<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
<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>Terminal details 1:</b>	Max. wire cross-section 2 mm x 2.5 mm <sup>2</sup> Max. wire cross-section of stranded cable 2 x 1.5 mm <sup>2</sup>
<b>Weight:</b>	0.044 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

**Approbations:** CB (IEC 61058-1), CSA, EAC, ENEC (EN 61058-1), UL  
**Conformities:** CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)  
**REACH:** REACH compliant  
**RoHS:** RoHS compliant

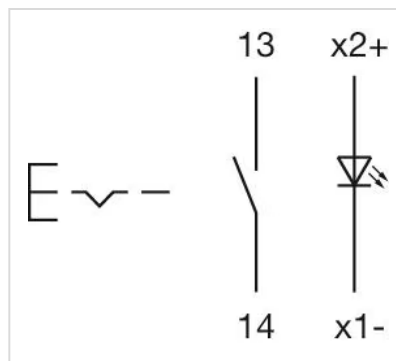
**OTHER**

**Short Description:** Actuator, 22 mm x 30 mm, 36 mm x 24 mm, Optional illuminated, Rectangular, Black, Plastic, 1 NO, Maintained, Screw terminal

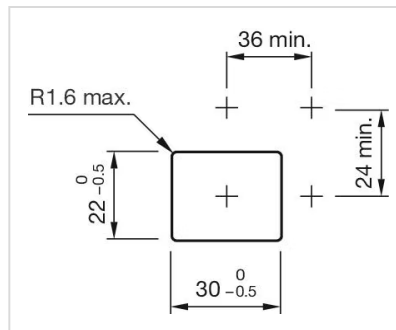
**Housing colour:** Black

**Housing material:** Plastic

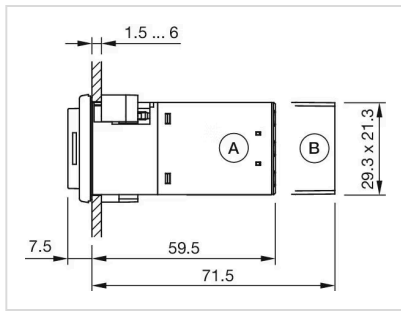
**Wiring diagrams:**



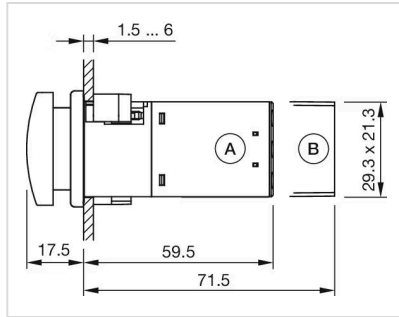
**Mounting cut-outs:**



**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