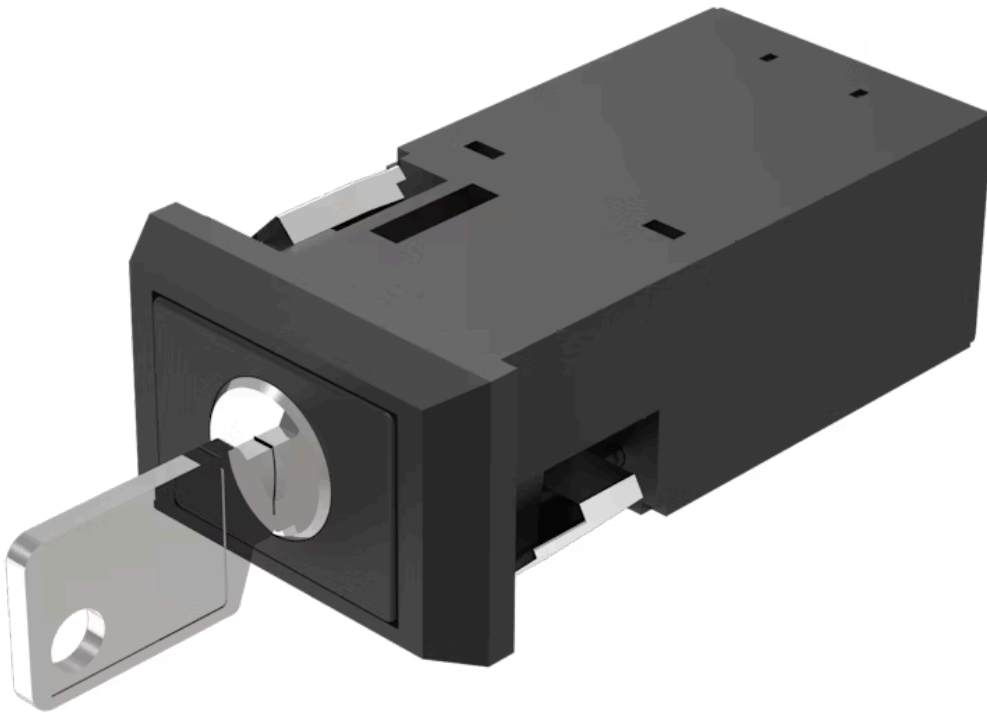


# Actuator

22-  
331.511D



<https://www.eao.com/component/22-331.511D/en/actuator>

Your product:

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## 22-331.511D 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

### ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:	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)
Contacts:	1 NO
Switching rating:	400 V @ 10 A
Electrical lifetime:	50 000 cycles of operation
Electric strength:	2000 VAC, 50 Hz, 1 minute, as per IEC 60512-2-11 between all terminals and earth

### MECHANICAL CHARACTERISTICS

Terminal:	Screw terminal
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<b>Contact material:</b>	Silver
<b>Switching action:</b>	Rest (a) - Maintained (a)
<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>Switching positions:</b>	2 positions
<b>Switching angle:</b>	90° right
<b>Mechanical lifetime:</b>	40 000 cycles of operation
<b>Operating force:</b>	4.4 N ±1 N (1 switching element), 7.8 N ±1 N (2 switching element)
<b>Operating Travel:</b>	5.5 mm ± 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

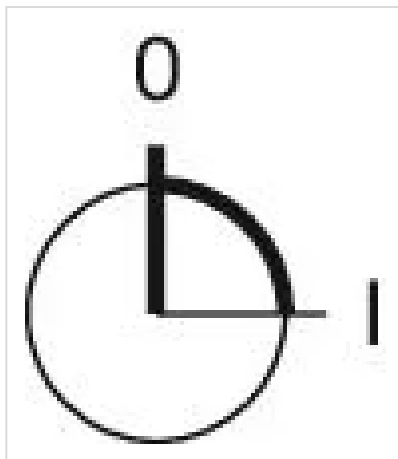
<b>Approbations:</b>	CB (IEC 61058-1), CSA, EAC, ENEC (EN 61058-1), UL
<b>Conformities:</b>	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
<b>REACH:</b>	REACH compliant
<b>RoHS:</b>	RoHS compliant

## OTHER

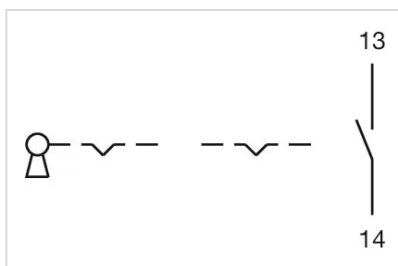
<b>Short Description:</b>	Actuator, 22 mm x 30 mm, 36 mm x 24 mm, Rectangular, Black, Plastic, 1 NO, Rest (a) - Maintained (a), Screw terminal
<b>Product attributes:</b>	Standard lock: DOM 311
<b>Hints:</b>	

Standard lock: DOM 311

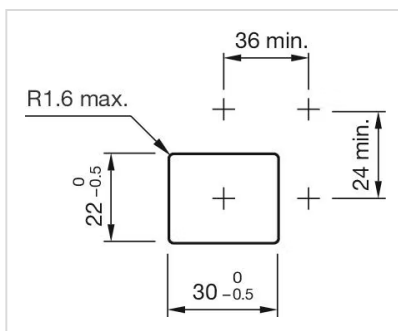
**Switching positions:**



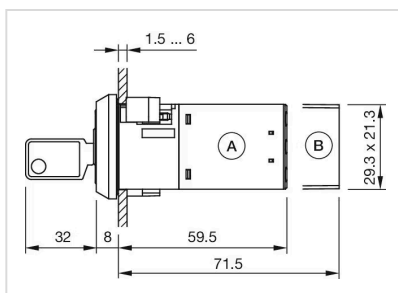
**Wiring diagrams:**



**Mounting cut-outs:**



**Dimension drawings:**



A = Screw terminal  
B = Plug-in terminal 6.3 mm x 0.8 mm