

# Actuator

02-  
690.011

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DigiKey

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## 02-690.011 Actuator

### PRODUCT RANGE

**Product Status:** Not Recommended for new design

### FRONT

**Front form:** Rectangular

**Front bezel colour:** Black

**Front bezel material:** Plastic

### MOUNTING

**Design:** Flush

**Mounting cut-out:** 21.2 mm x 29.2 mm

**Mounting type:** Panel mounting

### ELECTRICAL CHARACTERISTICS

**Switching voltage and switching current:**

according to UL	
250 VAC, 10 A	
according to IEC 60947-5-1	
AC-12: 400 V, 10 A	AC-15: 400 V, 6 A
AC-15: 250 V, 8 A	DC-13: 110 V, 0.4 A
DC-13: 60 V, 1 A	DC-13: 24 V, 3 A

**Contacts:** 2 C

**Rated insulation voltage  $U_i$ :** 400 VAC/440 VDC according to IEC 60947-5-1

**Switching rating:** 400 V @ 10 A

**Standards:** The switches comply with the "Standards for low-voltage switching devices" EN IEC 60947-5-1

**Thermal current  $I_{th}$ :** 10 A

## MECHANICAL CHARACTERISTICS

<b>Terminal:</b>	Screw terminal
<b>Contact material:</b>	Silver
<b>Switching action:</b>	Rest (a) - Momentary
<b>Switching system:</b>	Snap-action switching element
<b>Switching system:</b>	1 or 2 self-cleaning snap action switching elements. 1 or 2 double-throw contacts.
<b>Switching positions:</b>	2 positions
<b>Switching angle:</b>	90° right
<b>Mechanical lifetime:</b>	2 Mil. cycles of operation
<b>Operating force:</b>	6 ... 12 N
<b>Tightening torque:</b>	Fixing nut max. 0.2 Nm, Screw terminal 0.8 Nm
<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>	0.055 kg

## AMBIENT CONDITION

<b>IP Protection:</b>	IP40 front side, IP65 with spray cover, according to IEC 60529
<b>Operating temperature:</b>	- 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
<b>Storage temperature:</b>	- 30 °C ... + 85 °C
<b>Shock resistance:</b>	15 g for 11 ms, according to IEC 60068-2-27
<b>Vibration resistance:</b>	10 g at 10 Hz...2000 Hz, amplitude 1.0 mm, according to IEC 60068-2-6

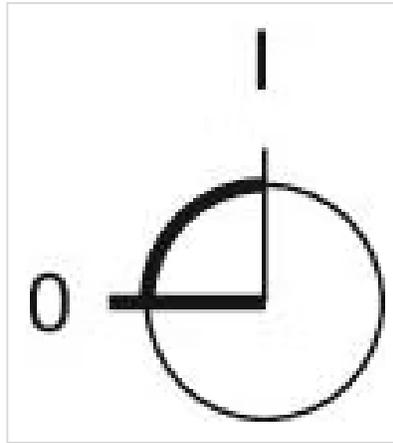
## CERTIFICATE

<b>Approbations:</b>	CB (IEC 60947-5-1), CENELEC CCA-NTR (EN 60947-5-1), CSA, DNV, SEV, UL
<b>Conformities:</b>	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
<b>REACH:</b>	REACH compliant
<b>RoHS:</b>	RoHS compliant

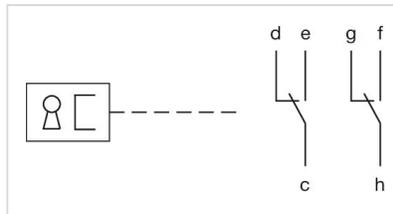
## OTHER

<b>Short Description:</b>	Actuator, 21.2 mm x 29.2 mm, Rectangular, Black, Plastic, 2 C, Rest (a) - Momentary, Screw terminal
<b>Product attributes:</b>	A = lockable, actuated

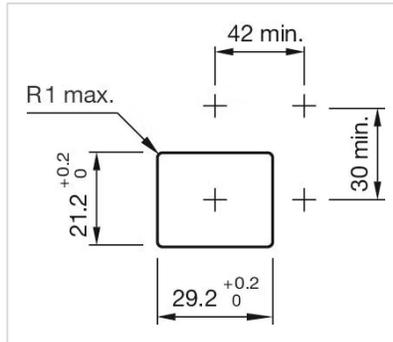
**Switching positions:**



**Wiring diagrams:**



**Mounting cut-outs:**



**Dimension drawings:**

