

# Actuator

03-  
616.011

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## 03-616.011 Actuator

### FRONT

**Front form:** Rectangular

**Front bezel colour:** Black

**Front bezel material:** Plastic

### MOUNTING

**Design:** Flush

**Mounting cut-out:** 41.2 mm x 21.2 mm

**Mounting type:** Panel mounting

### OPERATING-/INDICATION PART

**Lens illumination:** Illuminated

### ELECTRICAL CHARACTERISTICS

<b>Switching voltage and switching current:</b>	according to UL 250 VAC, 10 A according to IEC 60947-5-1 AC-12: 400 V, 10 A AC-15: 250 V, 8 A DC-13: 60 V, 1 A <div>           AC-15: 400 V, 6 A            DC-13: 110 V, 0.4 A            DC-13: 24 V, 3 A         </div>
<b>Contacts:</b>	1 C
<b>Rated insulation voltage Ui:</b>	400 VAC/440 VDC according to IEC 60947-5-1
<b>Switching rating:</b>	400 V @ 10 A
<b>Electric strength:</b>	2500 VAC, 50 Hz, 1 minute, as per IEC 60947-5-1 between all terminals and earth
<b>Standards:</b>	The switches comply with the "Standards for low-voltage switching devices" EN IEC 60947-5-1
<b>Thermal current Ith:</b>	10 A

## MECHANICAL CHARACTERISTIC

<b>Terminal:</b>	Screw terminal
<b>Contact material:</b>	Silver
<b>Switching action:</b>	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>Mechanical lifetime:</b>	2 Mil. cycles of operation
<b>Operating force:</b>	6 ... 12 N
<b>Operating Travel:</b>	ca. 5 mm
<b>Tightening torque:</b>	Fixing sleeve 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>	0.07 kg

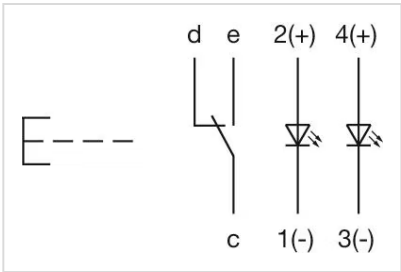
## AMBIENT CONDITION

<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

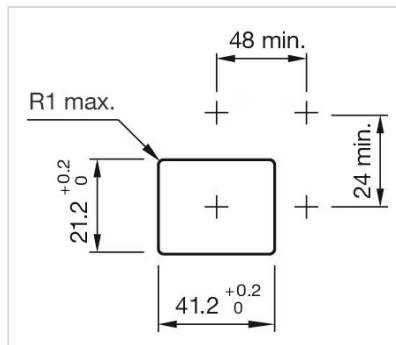
## CERTIFICATE

<b>Approbations:</b>	CB (IEC 61058-1), CSA, DNV, 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, 41.2 mm x 21.2 mm, Illuminated, Rectangular, Black, Plastic, 1 C, Momentary, Screw terminal
<b>Housing colour:</b>	Black
<b>Housing material:</b>	Plastic
<b>Hints:</b>	Has two independent lamp bases, For LED element fitting information see Application guidelines, LED polarity, Light barrier ordered separately
<b>Wiring diagrams:</b>	

## Mounting cut-outs:



## Dimension drawings:

