

# Smart-Box, white, 2 switches configurable

Distribution by  
DigiKey

**DigiKey**

73-00001.1



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## 73-00001.1 Smart-Box, white, 2 switches configurable

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### **MOUNTING**

**Mounting type:** for snapping in place

### **OPERATING-/INDICATION PART**

**Illumination colour:** White

### **ELECTRICAL CHARACTERISTICS**

**Contacts:** 2 NO

**Operating voltage:** 24 V DC  $\pm 10\%$

**Operation current:** 10 mA

**Switching rating:** 30 V DC @ 0,1 A

**Communication interface:** Standard

### **MECHANICAL CHARACTERISTICS**

|                             |  |
|-----------------------------|--|
| <b>Terminal:</b>            | Connector M12  |
| <b>Contact material:</b>    | Gold-plated silver   |
| <b>Switching system:</b>    | Short-travel element   |
| <b>Switching system:</b>    | Short-travel snap-action switching system with two independent contact points and tactile operation<br>Guarantees reliable switching even of very light loads. Fitted with 1 normally open contact |
| <b>Mechanical lifetime:</b> | ≥1 Mil. cycles of operation  |
| <b>Operating force:</b>     | 4.5 N ±1 N (measured at the lens)  |
| <b>Operating Travel:</b>    | ca. 0.5 mm   |
| <b>Weight:</b>              | 0.001 kg   |

### AMBIENT CONDITION

|                               |   |
|-------------------------------|---|
| <b>IP Protection:</b>         | IP67  |
| <b>Operating temperature:</b> | - 25 °C ... + 60 °C   |
| <b>Storage temperature:</b>   | - 25 °C ... + 80 °C   |
| <b>Shock resistance:</b>      | Max. 100 m / s <sup>2</sup> , pulse width, 3-axis (sinusoidal EN IEC 60068-2-27)                  |
| <b>Vibration resistance:</b>  | Max. 50 m / s <sup>2</sup> from 10 Hz ... 500 Hz, 10 cycles, 3-axis (sinusoidal EN IEC 60068-2-6) |

### CERTIFICATE

|               |                 |
|---------------|-----------------|
| <b>REACH:</b> | REACH compliant |
| <b>RoHS:</b>  | RoHS compliant  |

### OTHER

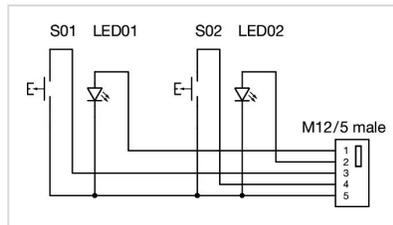
|                               |   |
|-------------------------------|---|
| <b>Short Description:</b>     | Smart-Box, white, 2 switches configurable, 30 V DC @ 0,1 A, 24 V DC ±10 %, 2 NO, Connector M12, White   |
| <b>Dimension:</b>             | 110.9 mm x 45 mm x 45.7 mm  |
| <b>Material:</b>              | Plastic, according to UL 94 V0  |
| <b>Hints:</b>                 | Mount the mounting adaptor on the mounting surface.<br>Hang the Smart-Box on one side (note the orientation of the mounting adaptor on the housing).<br>Press the Smart-Box onto the adaptor on the opposite side until the box clicks into place.<br>Alternatively, the module can be placed on a standard top-hat rail or mounted on a surface using screws from the rear (see dimension drawings). |
| <b>Description component:</b> | Upper part of housing: PBT / UL-V0 / colour similar to RAL9010; Lower part of housing: PBT / UL-V0 / colour similar to RAL9011; Spring element (for restraint): POM (nature); Seal: MVQ silicone foam bright; Blind plug: PC / glass clear; Mounting adaptor: Stainless steel 1.4301 / surface vibratory finish; Housing  |

screws: Stainless steel A2; Marking plate: Black PVC / surface aluminium-coloured, adhesive; M12 connector housing: Die cast zinc

**Colour RAL:**

9010 RAL

**Wiring diagrams:**



**Dimension drawings:**

