



## Main

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Range of product          | Harmony 9001K                                     |
| Product or component type | Complete non-illuminated mushroom head pushbutton |
| Device short name         | 9001K                                             |
| Type of operator          | Spring return                                     |
| Operator profile          | Red mushroom Ø 57 mm unmarked                     |

## Complementary

|                                             |                                                                                                                                                                                                                                |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bezel material                              | Chromium plated metal                                                                                                                                                                                                          |
| Mounting diameter                           | 30 mm                                                                                                                                                                                                                          |
| CAD overall width                           | 57 mm                                                                                                                                                                                                                          |
| CAD overall height                          | 57 mm                                                                                                                                                                                                                          |
| CAD overall depth                           | 69 mm                                                                                                                                                                                                                          |
| Terminals description ISO n°1               | (13-14-11-12)OF                                                                                                                                                                                                                |
| Product weight                              | 0.132 kg                                                                                                                                                                                                                       |
| Operating position                          | Any position                                                                                                                                                                                                                   |
| Shape of signaling unit head                | Round                                                                                                                                                                                                                          |
| Head material                               | Plastic                                                                                                                                                                                                                        |
| Operator additional information             | Screw-in with set screw security                                                                                                                                                                                               |
| Contacts type and composition               | 1 C/O                                                                                                                                                                                                                          |
| Positive opening                            | Without                                                                                                                                                                                                                        |
| Mechanical durability                       | 5000000 cycles                                                                                                                                                                                                                 |
| Connections - terminals                     | Screw clamp terminals (1 x 0.22...2 x 1.5 mm <sup>2</sup> ) conforming to EN/IEC 60947-1                                                                                                                                       |
| Tightening torque                           | 0.8 N.m conforming to EN/IEC 60947-1                                                                                                                                                                                           |
| Shape of screw head                         | Cross slotted head                                                                                                                                                                                                             |
| Contacts material                           | Silver alloy contacts                                                                                                                                                                                                          |
| Short circuit protection                    | 10 A cartridge fuse conforming to EN/IEC 60947-5-1                                                                                                                                                                             |
| [Ith] conventional free air thermal current | 10 A                                                                                                                                                                                                                           |
| [Ui] rated insulation voltage               | 250 V (degree of pollution: 3) conforming to EN/IEC 60947-1                                                                                                                                                                    |
| [Uimp] rated impulse withstand voltage      | 2.5 kV conforming to EN/IEC 60947-1                                                                                                                                                                                            |
| [Ie] rated operational current              | 0.55 A at 125 V DC-13, A600-Q600 conforming to NEMA<br>3 A at 240 V AC-15, A600-Q600 conforming to NEMA                                                                                                                        |
| [Icm] rated short-circuit making capacity   | <= 60 kA at 120 V AC-15, 7200 VA<br><= 30 kA at 240 V AC-15, 7200 VA<br><= 15 kA at 480 V AC-15, 7200 VA<br><= 12 kA at 600 V AC-15, 7200 VA                                                                                   |
| Rated breaking capacity                     | <= 1.5 kA at 480 V AC-15, 720 VA<br><= 1.2 kA at 600 V AC-15, 720 VA<br><= 0.55 kA at 125 V DC-13<br><= 0.27 kA at 250 V DC-13<br><= 0.1 kA at 600 V DC-13<br><= 6 kA at 120 V AC-15, 720 VA<br><= 3 kA at 240 V AC-15, 720 VA |

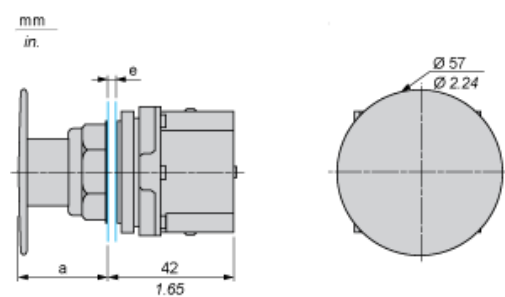
## Environment

|                                            |                                                                                                                |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Protective treatment                       | TC                                                                                                             |
| Ambient air temperature for storage        | -40...70 °C                                                                                                    |
| Ambient air temperature for operation      | -25...70 °C                                                                                                    |
| Class of protection against electric shock | Class II conforming to IEC 61140                                                                               |
| IP degree of protection                    | IP66 conforming to IEC 60529                                                                                   |
| NEMA degree of protection                  | NEMA 4<br>NEMA 3R<br>NEMA 3<br>NEMA 2<br>NEMA 13<br>NEMA 12<br>NEMA 1                                          |
| Standards                                  | UL 508<br>JIS C 852<br>JIS C 4520<br>EN/IEC 60947-5-4<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>CSA C22-2 No 14 |
| Product certifications                     | NEMA<br>UL 508                                                                                                 |
| Vibration resistance                       | 7 gn (f = 2...500 Hz) conforming to IEC 60068-2-6                                                              |
| Shock resistance                           | 50 gn conforming to IEC 60068-2-27                                                                             |
| RoHS EUR status                            | Compliant                                                                                                      |
| RoHS EUR conformity date                   | 0921                                                                                                           |

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Dimensions

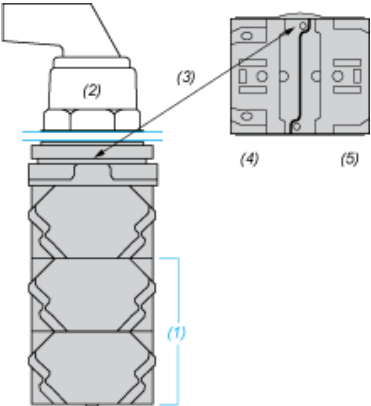
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- e panel thickness: 1 to 6 mm / 0.04 to 0.24 in.  
a 28 mm / 1.10 in.

Contact Block Mounting Position

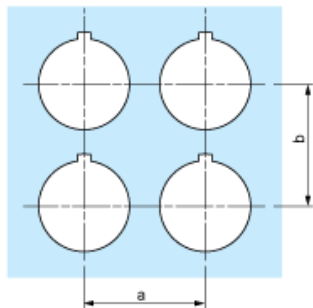
Top and Rear views



- (1) It is possible to mount up to 3 levels of contacts blocks (maximum of 6 contacts blocks)
- (2) Operator
- (3) Locating notch
- (4) Side 1
- (5) Side 2

Panel Cut-Out

Clearance



| Legend plate | a min. |      | b min. |      |
|--------------|--------|------|--------|------|
|              | mm     | in.  | mm     | in.  |
| 9001KN2••    | 57.2   | 2.25 | 57.2   | 2.25 |
| 9001KN3••    | 57.2   | 2.25 | 57.2   | 2.25 |

Individual Cut-outs Details

2 alternatives

