



## Main

|                                 |                                 |
|---------------------------------|---------------------------------|
| Range of product                | Harmony 9001K                   |
| Product or component type       | Complete illuminated pushbutton |
| Device short name               | 9001K                           |
| Type of operator                | Spring return                   |
| Operator profile                | Green flush unmarked            |
| Operator additional information | Extended metallic guard         |

## Complementary

|                                             |                                                                                                                                                                                                                                   |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bezel material                              | Chromium plated metal                                                                                                                                                                                                             |
| Mounting diameter                           | 30 mm                                                                                                                                                                                                                             |
| Shape of signaling unit head                | Octagonal                                                                                                                                                                                                                         |
| Light source                                | High luminosity LED                                                                                                                                                                                                               |
| Bulb base                                   | BA 9s                                                                                                                                                                                                                             |
| Light block supply                          | Direct                                                                                                                                                                                                                            |
| [Us] rated supply voltage                   | 48 V AC/DC                                                                                                                                                                                                                        |
| Connections - terminals                     | Screw clamp terminals (1 x 0.22...2 x 1.5 mm <sup>2</sup> ) conforming to IEC 60947-1                                                                                                                                             |
| Tightening torque                           | 0.8 N.m conforming to IEC 60947-1                                                                                                                                                                                                 |
| Shape of screw head                         | Cross slotted                                                                                                                                                                                                                     |
| Mechanical durability                       | 5000000 cycles                                                                                                                                                                                                                    |
| Operating position                          | Any position                                                                                                                                                                                                                      |
| [Ui] rated insulation voltage               | 250 V (degree of pollution: 3) conforming to IEC 60947-1                                                                                                                                                                          |
| [Uimp] rated impulse withstand voltage      | 2.5 kV conforming to IEC 60947-1                                                                                                                                                                                                  |
| Contacts material                           | Silver alloy contacts                                                                                                                                                                                                             |
| Contacts operation                          | Standard                                                                                                                                                                                                                          |
| Positive opening                            | Without                                                                                                                                                                                                                           |
| Short circuit protection                    | 10 A cartridge fuse conforming to IEC 60947-5-1                                                                                                                                                                                   |
| [Ith] conventional free air thermal current | 10 A                                                                                                                                                                                                                              |
| [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                     | ≤ 6 kA at 120 V (AC-15) 720 VA<br>≤ 3 kA at 240 V (AC-15) 720 VA<br>≤ 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) |
| CAD overall width                           | 54 mm                                                                                                                                                                                                                             |
| CAD overall height                          | 42 mm                                                                                                                                                                                                                             |
| CAD overall depth                           | 106 mm                                                                                                                                                                                                                            |
| Product weight                              | 0.175 kg                                                                                                                                                                                                                          |

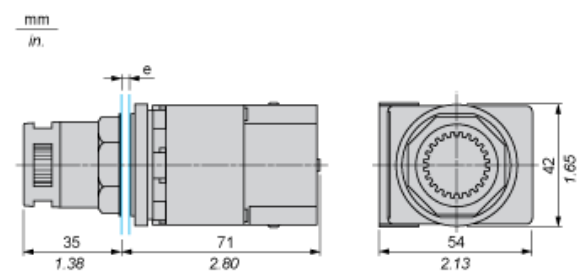
## Environment

|                                            |                                                                                                                |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Standards                                  | CSA C22-2 No 14<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>JIS C 4520<br>JIS C 852<br>UL 508 |
| Product certifications                     | NEMA<br>UL 508                                                                                                 |
| Protective treatment                       | TC                                                                                                             |
| Ambient air temperature for storage        | -40...70 °C                                                                                                    |
| Ambient air temperature for operation      | -25...70 °C                                                                                                    |
| Vibration resistance                       | 7 gn (f = 2...500 Hz) conforming to IEC 60068-2-6                                                              |
| Shock resistance                           | 50 gn conforming to IEC 60068-2-27                                                                             |
| 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                                          |
| 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.

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 | 44.5   | 1.75 |
| 9001KN3••    | 57.2   | 2.25 | 50.8   | 2.00 |

Individual Cut-outs Details

2 alternatives

