

# XB4BK133G5

Illuminated selector switch, Harmony XB4, metal, green handle, 22mm, universal LED, 3 positions, 1NO + 1NC, 110...120V AC



## Main

|                               |  |
|-------------------------------|--|
| Range of product              | Harmony XB4  |
| Product or component type     | Illuminated selector switch  |
| Device short name             | XB4  |
| Bezel material                | Chromium plated metal  |
| Fixing collar material        | Zamak  |
| Head type                     | Standard   |
| Mounting diameter             | 22.5 mm  |
| Sale per indivisible quantity | 1  |
| Shape of signaling unit head  | Round  |
| Type of operator              | Stay put   |
| Operator profile              | Green standard handle  |
| Operator position information | 3 positions +/- 45°  |
| Contacts type and composition | 1 NO + 1 NC  |
| Contact operation             | Slow-break   |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end conforming to IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end conforming to IEC 60947-1 |
| Light source                  | Universal LED  |
| Bulb base                     | Integral LED   |
| [Us] rated supply voltage     | 110...120 V AC at 50/60 Hz   |

## Complementary

|   |   |
|---|---|
| Resistance to high pressure washer          | 7000000 Pa at 55 °C, distance : 0.1 m   |
| Contacts usage                              | Standard contacts   |
| Positive opening                            | With conforming to IEC 60947-5-1 appendix K   |
| Operating torque                            | 0.14 N.m NO changing electrical state   |
| Mechanical durability                       | 500000 cycles   |
| Tightening torque                           | 0.8...1.2 N.m conforming to IEC 60947-1   |
| Shape of screw head                         | Cross compatible with Philips no 1 screwdriver<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>Slotted compatible with flat Ø 5.5 mm screwdriver |
| Contacts material                           | Silver alloy (Ag/Ni)  |
| Short-circuit protection                    | 10 A cartridge fuse type gG conforming to IEC 60947-5-1   |
| [Ith] conventional free air thermal current | 10 A conforming to IEC 60947-5-1  |
| [Ui] rated insulation voltage               | 600 V (pollution degree 3) conforming to IEC 60947-1  |
| [Uimp] rated impulse withstand voltage      | 6 kV conforming to IEC 60947-1  |

|   |   |
|---|---|
| [I <sub>e</sub> ] rated operational current | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1  |
| Electrical durability                       | 1000000 Cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C |
| Electrical reliability                      | $\Lambda < 10\exp(-6)$ at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4   |
| Signalling type                             | Steady  |
| Supply voltage limits                       | 100...132 V AC  |
| Current consumption                         | 14 mA   |
| Service life                                | 100000 h at rated voltage and 25 °C   |
| Surge withstand                             | 1 kV conforming to IEC 61000-4-5  |
| Device presentation                         | Complete product  |




## Environment

|                                       |  |
|---------------------------------------|--|
| Protective treatment                  | TH   |
| Ambient air temperature for storage   | -40...70 °C  |
| Ambient air temperature for operation | -40...70 °C  |
| Electrical shock protection class     | Class I conforming to IEC 60536  |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67<br>IP69<br>IP69K  |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X   |
| IK degree of protection               | IK04 conforming to IEC 50102   |
| Standards                             | UL 508<br>IEC 60947-5-5<br>CSA C22.2 No 14<br>JIS C8201-5-1<br>IEC 60947-5-1<br>IEC 60947-1<br>IEC 60947-5-4<br>JIS C8201-1  |
| Product certifications                | BV[RETURN]UL[RETURN]DNV[RETURN]GL[RETURN]CSA[RETURN]LRQS (Lloyds register of shipping)   |
| Vibration resistance                  | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6   |
| Shock resistance                      | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |
| Resistance to fast transients         | 2 kV conforming to IEC 61000-4-4   |
| Resistance to electromagnetic fields  | 10 V/m conforming to IEC 61000-4-3   |
| Resistance to electrostatic discharge | 6 KV on contact (on metal parts) conforming to IEC 61000-4-2<br>8 kV in free air (in insulating parts) conforming to IEC 61000-4-2   |
| Electromagnetic emission              | Class B conforming to IEC 55011  |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 8.6 cm  |
| Package 1 Width              | 5.2 cm  |
| Package 1 Length             | 3.3 cm  |
| Package 1 Weight             | 102.0 g |

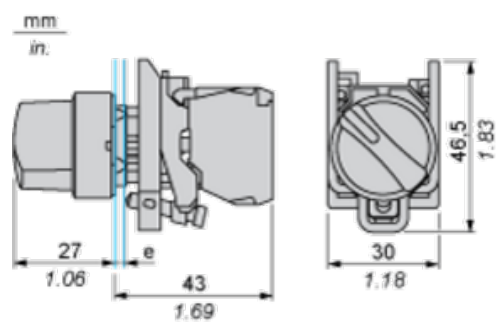
## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#"> REACH Declaration</a>             |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#"> China RoHS Declaration</a>        |
| RoHS exemption information | <a href="#"> Yes</a>                           |
| Environmental Disclosure   | <a href="#"> Product Environmental Profile</a> |
| Circularity Profile        | <a href="#"> End Of Life Information</a>       |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins     |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Dimensions



e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

| Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board   | Connection by Faston Connectors  |
|---|--|
|    |  |
| <p>(1) Diameter on finished panel or support</p> <p>(2) 40 mm min. / 1.57 in. min.</p> <p>(3) 30 mm min. / 1.18 in. min.</p> <p>(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm <math>^{+0.4}_0</math> / 0.88 in. <math>^{+0.016}_0</math>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> |  |