### XB4BW33G5
green flush complete illum pushbutton Ø22 spring return 1NO+1NC 110...120V

### Main

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial Status</td>
<td>Commercialised</td>
</tr>
<tr>
<td>Range of product</td>
<td>Harmony XB4</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Complete illuminated pushbutton</td>
</tr>
<tr>
<td>Device short name</td>
<td>XB4</td>
</tr>
<tr>
<td>Bezel material</td>
<td>Chromium plated metal</td>
</tr>
<tr>
<td>Mounting diameter</td>
<td>22 mm</td>
</tr>
<tr>
<td>Sale per indivisible quantity</td>
<td>1</td>
</tr>
<tr>
<td>Shape of signaling unit head</td>
<td>Round</td>
</tr>
<tr>
<td>Type of operator</td>
<td>Spring return</td>
</tr>
<tr>
<td>Operator profile</td>
<td>Green flush</td>
</tr>
<tr>
<td>Operator additional information</td>
<td>With plain lens</td>
</tr>
<tr>
<td>Contacts type and composition</td>
<td>1 NO + 1 NC</td>
</tr>
<tr>
<td>Contacts operation</td>
<td>Slow-break</td>
</tr>
</tbody>
</table>
| Connections - terminals            | Screw clamp terminals: 1 x 0.22...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1  
                                       Screw clamp terminals: <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 |
| Light source                       | Protected LED                     |
| Bulb base                          | Integral LED                      |
| [Us] rated supply voltage          | 110...120 V AC, 50/60 Hz           |

### Complementary

<table>
<thead>
<tr>
<th>Description</th>
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</tr>
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<tbody>
<tr>
<td>Height</td>
<td>47 mm</td>
</tr>
<tr>
<td>Width</td>
<td>30 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>57 mm</td>
</tr>
<tr>
<td>Terminals description ISO n°1</td>
<td>(13-14)NO (21-22)NC</td>
</tr>
<tr>
<td>Product weight</td>
<td>0.097 kg</td>
</tr>
<tr>
<td>Resistance to high pressure washer</td>
<td>7000000 Pa at 55 °C, distance: 0.1 m</td>
</tr>
<tr>
<td>Contacts usage</td>
<td>Standard contacts</td>
</tr>
<tr>
<td>Positive opening</td>
<td>With positive opening conforming to EN/IEC 60947-5-1 appendix K</td>
</tr>
</tbody>
</table>
| Operating travel                   | 4.3 mm (total travel)  
                                       2.6 mm (NO changing electrical state)  
                                       1.5 mm (NC changing electrical state) |
| Operating force                    | 3.8 N (NC changing electrical state)  
                                       3.5 N (NC changing electrical state) |
| Mechanical durability              | 50000000 cycles                   |
| Tightening torque                  | 0.8...1.2 N.m conforming to EN 60947-1 |
| Shape of screw head                | Slotted head compatible with flat Ø 5.5 mm screwdriver  
                                       Slotted head compatible with flat Ø 4 mm screwdriver  
                                       Cross head compatible with pozidriv No 1 screwdriver  
                                       Cross head compatible with Philips no 1 screwdriver |
| Contacts material                  | Silver alloy (Ag/Ni)              |
| Short circuit protection           | 10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1 |
| [Ith] conventional free air thermal current | 10 A conforming to EN/IEC 60947-5-1 |
**[U] rated insulation voltage**  
600 V (degree of pollution: 3) conforming to EN/IEC 60947-1

**[Uimp] rated impulse withstand voltage**  
6 kV conforming to EN/IEC 60947-1

**[Ie] rated operational current**  
1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1  
0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1  
0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1  
0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1  
6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1  
3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1

**Electrical durability**  
1000000 cycles, DC-13, 0.5 A at 24 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C  
1000000 cycles, DC-13, 0.2 A at 110 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C  
1000000 cycles, AC-15, 4 A at 24 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C  
1000000 cycles, AC-15, 3 A at 120 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C  
1000000 cycles, AC-15, 2 A at 230 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C

**Electrical reliability IEC 60947-5-4**  
Λ < 10e(8) at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4  
Λ < 10e(6) at 5 V, 1 mA in clean environment conforming to EN/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

**Environment**

**Protective treatment**  
TH

**Ambient air temperature for storage**  
-40...70 °C

**Ambient air temperature for operation**  
-25...70 °C

**Class of protection against electric shock**  
Class I conforming to IEC 60536

**IP degree of protection**  
IP66 conforming to IEC 60529

**NEMA degree of protection**  
NEMA 4X  
NEMA 13

**IK degree of protection**  
IK05 conforming to IEC 50102

**Standards**

CSA C22-2 No 14  
EN/IEC 60947-1  
EN/IEC 60947-5-1  
EN/IEC 60947-5-4  
EN/IEC 60947-5-5  
JIS C 4520  
UL 508

**Product certifications**

BV  
CSA  
DNV  
GL  
LROS (Lloyds register of shipping)  
RINA  
UL listed

**Vibration resistance**  
5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6

**Shock resistance**  
50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27  
30 gn for 18 ms 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**  
8 kV in free air (in insulating parts) conforming to IEC 61000-4-2  
6 kV on contact (on metal parts) conforming to IEC 61000-4-2

**Electromagnetic emission**  
Class B conforming to IEC 55011

**Contractual warranty**

**Period**  
18 months
Dimensions

- **e**: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.
- (1) Additional row of contacts or double contact
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

<table>
<thead>
<tr>
<th>Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board</th>
<th>Connection by Faston Connectors</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Diagram" /></td>
<td><img src="image2.png" alt="Diagram" /></td>
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(1) Diameter on finished panel or support
(2) 40 mm min. / 1.57 in. min.
(3) 30 mm min. / 1.18 in. min.
(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm ±0.4 / 0.88 in. ±0.016)
(5) 45 mm min. / 1.78 in. min.
(6) 32 mm min. / 1.26 in. min.