Product data sheet
Characteristics

XB4FW33M5
Illuminated push button flush mounted, metal, green, Ø30, integral LED, 230V AC 1 NO + 1 NC

Main
Range of product Harmony XB4
Product or component type Illuminated push-button
Device short name XB4F
Bezel material Chromium plated metal
Fixing collar material Zamak
Mounting diameter 1.20 in (30.5 mm)
Sale per indivisible quantity 1
Head type Built-in-flush
Shape of signaling unit head Round
Type of operator Spring return
Operator profile Green flush
Operator additional information With plain lens
Contacts type and composition 1 NO + 1 NC
Contact operation Slow-break
Connections - terminals 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 230...240 V AC 50/60 Hz

Complementary
Height 1.85 in (47 mm)
Maximum Width 1.44 in (36.6 mm)
Depth 2.17 in (55 mm)
Terminals description ISO n°1 (13-14)NO (21-22)NC
Net Weight 0.29 lb(US) (0.132 kg)
Resistance to high pressure washer 7000000 Pa at 55 °C, distance : 0.1 m
Device mounting Built-in
Fixing mode By screws 7.08 lbf.in (0.8 N.m)
Contacts usage Standard contacts
Positive opening With EN/IEC 60947-5-1 appendix K
Operating travel
0.06 ln (1.5 mm) NC changing electrical state
2.6 Mm (NO changing electrical state)
4.3 mm (total travel)
Operating force 3.5 N NC changing electrical state
3.8 N
Mechanical durability 10000000 cycles
Tightening torque 0.8…1.2 N.m conforming to EN 60947-1
Shape of screw head
- Cross compatible with Philips no 1 screwdriver
- Cross compatible with pozidriv No 1 screwdriver
- Slotted compatible with flat Ø 4 mm screwdriver
- Slotted compatible with flat Ø 5.5 mm screwdriver

Contacts material
- Silver alloy (Ag/Ni)

Short-circuit protection
- 10 A cartridge fuse gG EN/IEC 60947-5-1

[Uth] conventional free air thermal current
- 10 A EN/IEC 60947-5-1

[Ui] rated insulation voltage
- 600 V 3)EN/IEC 60947-1

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

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

Electrical durability
- 1000000 Cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
- 1000000 Cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
- 1000000 Cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
- 1000000 Cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
- 1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C

Electrical reliability
- Λ < 10exp(-6) 5 V 1 mA in clean environment EN/IEC 60947-5-4
- Λ < 10exp(-8) 17 V 5 mA in clean environment EN/IEC 60947-5-4

Signalling type
- Steady

Current consumption
- 14 mA

Service life
- 100000 h at rated voltage and 25 °C

Surge withstand
- 1 kV IEC 61000-4-5

Supply voltage limits
- 195…264 V AC

Device presentation
- Complete product

Environment

Protective treatment
- TH

Ambient air temperature for storage
- -40…158 °F (-40…70 °C)

Ambient air temperature for operation
- -40…158 °F (-40…70 °C)

Electrical shock protection class
- Class I IEC 60536

IP degree of protection
- IP66 conforming to IEC 60529
- IP67 conforming to IEC 60529
- IP69 conforming to IEC 60529
- IP69K ISO 20653
- Type 13 UL 50 E
- Type 12 UL 50 E
- Type 4 UL 50 E
- Type 4X UL 50 E

IK degree of protection
- IK06 conforming to IEC 50102

Standards
- CSA C22.2 No 14
- EN/IEC 60947-5-1
- EN/IEC 60947-5-4
- UL 508
- EN/IEC 60947-1
- JIS C8201-5-1
- CE
- JIS C8201-1

Product certifications
- UL Listed
- CSA
- CCC
- EAC

Vibration resistance
- 5 gn 10…500 Hz)IEC 60068-2-6
- 2 mm peak to peak 2…10 Hz)IEC 60068-2-6

Shock resistance
- 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27
- 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27
- 25 gn 6 ms) 1000 shocks on each axis IEC 60068-2-27

Resistance to fast transients
- 2 kV IEC 61000-4-4

Resistance to electromagnetic fields
- 9.14 V/m (10 V/m) IEC 61000-4-3
Resistance to electrostatic discharge 6 kV on contact (on metal parts) conforming to IEC 61000-4-2 8 kV in free air (in insulating parts) IEC 61000-4-2

Electromagnetic emission Class B IEC 55011

**Ordering and shipping details**

**Category** 22468 - PUSHBUTTONS,22MM(METAL) NEW

**Discount Schedule** CS2

**Nbr. of units in pkg.** 1

**Package weight(Lbs)** 1 lb(US) (0.45 kg)

**Returnability** No

**Packing Units**

<table>
<thead>
<tr>
<th>Unit Type of Package 1</th>
<th>PCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package 1 Height</td>
<td>1.69 in (4.3 cm)</td>
</tr>
<tr>
<td>Package 1 width</td>
<td>2.05 in (5.2 cm)</td>
</tr>
<tr>
<td>Package 1 Length</td>
<td>3.39 in (8.6 cm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit Type of Package 2</th>
<th>BB1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Units in Package 2</td>
<td>5</td>
</tr>
<tr>
<td>Package 2 Weight</td>
<td>3.66 lb(US) (1.66 kg)</td>
</tr>
<tr>
<td>Package 2 Height</td>
<td>1.69 in (4.3 cm)</td>
</tr>
<tr>
<td>Package 2 width</td>
<td>3.39 in (8.6 cm)</td>
</tr>
<tr>
<td>Package 2 Length</td>
<td>10.43 in (26.5 cm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit Type of Package 3</th>
<th>S03</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Units in Package 3</td>
<td>80</td>
</tr>
<tr>
<td>Package 3 Weight</td>
<td>23.60 lb(US) (10.706 kg)</td>
</tr>
<tr>
<td>Package 3 Height</td>
<td>11.81 in (30 cm)</td>
</tr>
<tr>
<td>Package 3 width</td>
<td>11.81 in (30 cm)</td>
</tr>
<tr>
<td>Package 3 Length</td>
<td>15.75 in (40 cm)</td>
</tr>
</tbody>
</table>

**Offer Sustainability**

**Sustainable offer status** Green Premium product

**California proposition 65** WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

**REACH Regulation** [REACH Declaration](#)

**REACH free of SVHC** Yes

**EU RoHS Directive** Pro-active compliance (Product out of EU RoHS legal scope) [EU RoHS Declaration](#)

**Mercury free** Yes

**RoHS exemption information** [Yes](#)

**China RoHS Regulation** [China RoHS Declaration](#)

**Environmental Disclosure** [Product Environmental Profile](#)

**Circularity Profile** [End Of Life Information](#)

**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