xb4bc21
black mushroom Ø40 mm complete pushbutton Ø22
spring return 1NO "unmarked"

**Main**
- Range of product: Harmony XB4
- Product or component type: Complete push-button
- Device short name: XB4
- Bezel material: Chromium plated metal
- Fixing collar material: Zamak
- Mounting diameter: 22 mm
- Sale per indivisible quantity: 1
- Shape of signaling unit head: Round
- Type of operator: Spring return
- Operator profile: Black mushroom Ø 40 mm unmarked
- Contacts type and composition: 1 NO
- Contacts operation: Slow-break
- Connections - terminals: Screw clamp terminals: <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
  - Screw clamp terminals: 1 x 0.22…2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

**Complementary**
- Product weight: 0.122 kg
- Resistance to high pressure washer: 7000000 Pa at 55 °C, distance: 0.1 m
- Contacts usage: Standard contacts
- Positive opening: Without positive opening
- Operating travel: 2.6 mm (NO changing electrical state), 4.3 mm (total travel)
- Operating force: 3.8 N (NO changing electrical state)
- Mechanical durability: 5000000 cycles
- Tightening torque: 0.8…1.2 N.m conforming to EN 60947-1
- Shape of screw head:
  - Cross head compatible with Philips no 1 screwdriver
  - Cross head compatible with pozidriv No 1 screwdriver
  - Slotted head compatible with flat Ø 4 mm screwdriver
  - Slotted head 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 EN/IEC 60947-1
  - [Ith] conventional free air thermal current: 10 A conforming to EN/IEC 60947-5-1
  - [Ui] 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:
    - 3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1
    - 6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1
    - 0.1 A at 600 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
    - 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1
    - 1.2 A at 600 V, AC-15, A600 conforming to 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 AC-15 0.5 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
- Electrical reliability IEC 60947-5-4:
  - $\Lambda < 10 \exp(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4
  - $\Lambda < 10 \exp(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4

**Environment**
- protective treatment: TH
ambient air temperature for storage: -40...70 °C
ambient air temperature for operation: -25...70 °C
overvoltage category: Class I conforming to IEC 60536
IP degree of protection: IP65 conforming to IEC 60529
NEMA degree of protection: NEMA 13, NEMA 4X
IK degree of protection: IK03 IEC 50102
standards:
- EN/IEC 60947-1
- EN/IEC 60947-5-1
- EN/IEC 60947-5-4
- EN/IEC 60947-5-5
- JIS C 4520
- UL 508
- CSA C22.2 No 14

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: 10 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

Dimensions:

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>
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<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.