

XB5FA31

Harmony XB5, Antimicrobial Push button flush mounted, plastic, green, Ø30, spring return, unmarked, 1 NO



Main

| | |
|-------------------------------|---|
| Range of Product | Harmony XB5 |
| Product or Component Type | Push-button |
| Device short name | XB5F |
| Product Compatibility | ZBYF2101 ZBYF4101 ZBYF6101 ZBYF6102 ZBZF32 ZBZF33 ZB4FBZ007 |
| Bezel material | Plastic Dark grey plastic |
| Head type | Built-in-flush |
| Fixing collar material | Plastic |
| Mounting diameter | 1.20 in (30.5 mm) |
| Sale per indivisible quantity | 1 |
| Shape of signaling unit head | Round |
| Type of operator | Spring return |
| Operator profile | Green flush, unmarked |
| Contacts type and composition | 1 NO |
| Contact operation | Slow-break |
| Connections - terminals | Screw clamp terminals, <= 2 x 1.5 mm ² with cable end EN/IEC 60947-1 Screw clamp terminals, 1 x 0.22...2 x 2.5 mm ² without cable end EN/IEC 60947-1 |

Complementary

| | |
|--|---|
| Height | 1.65 in (42 mm) |
| Width | 1.44 in (36.6 mm) |
| Depth | 2.17 in (55 mm) |
| Terminals description ISO n°1 | (13-14)NO |
| Resistance to high pressure washer | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m |
| Contacts usage | Standard contacts |
| Positive opening | Without |
| Operating travel | 0.10 in (2.6 mm) NO changing electrical state 0.17 in (4.3 mm) total travel) |
| Operating force | 3.8 N NO changing electrical state |
| Mechanical durability | 10000000 cycles |
| Tightening torque | 7.08...10.62 lbf.in (0.8...1.2 N.m) EN 60947-1 |
| Shape of screw head | Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm |
| Contacts material | Silver alloy (Ag/Ni) |
| Short-circuit protection | 10 A cartridge fuse gG EN/IEC 60947-5-1 |
| [I _{th}] conventional free air thermal current | 10 A EN/IEC 60947-5-1 |

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| | |
|--|--|
| [Ui] rated insulation voltage | 600 V 3)EN/IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV EN/IEC 60947-1 |
| [Ie] 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 | $\Lambda < 10\exp(-6)$ 5 V 1 mA in clean environment EN/IEC 60947-5-4 $\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment EN/IEC 60947-5-4 |
| Device presentation | Complete product |
| Customizable | No |
| Customizable | 1 |
| GCR BRIDGE | XB5FACUST01 |
| Compatibility code | XB5 |

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) |
| Overvoltage category | Class II IEC 60536 |
| IP degree of protection | IP66 IEC 60529 IP67 IP69 IP69K Type 13 UL 50 E Type 12 UL 50 E Type 4 UL 50 E Type 4X UL 50 E |
| NEMA degree of protection | NEMA 13 NEMA 4X |
| IK degree of protection | IK03 IEC 50102 |
| Standards | EN/IEC 60947-1 UL 508 JIS C8201-5-1 EN/IEC 60947-5-4 EN/IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-1 ISO 22196:2011 ISO 21702 |
| Product Certifications | UL Listed CSA |
| Vibration resistance | 5 gn 2...500 Hz)IEC 60068-2-6 2 mm peak to peak 2...10 Hz)IEC 60068-2-6 |
| Shock resistance | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27 25 gn 6 ms) 1000 shocks on each axis IEC 60068-2-27 |

Ordering and shipping details

| | |
|-----------------------|---------------------------------------|
| Category | 22467 - PUSHBUTTONS,22MM(PLASTIC) NEW |
| Discount Schedule | CS2 |
| GTIN | 3606481360465 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.52 oz (43 g) |
| Returnability | Yes |

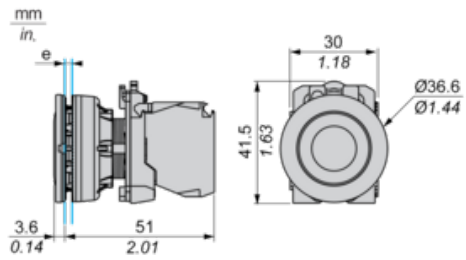
Packing Units

| | |
|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.69 in (4.3 cm) |
| Package 1 width | 2.09 in (5.3 cm) |
| Package 1 Length | 3.39 in (8.6 cm) |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 5 |
| Package 2 Weight | 7.58 oz (215 g) |
| Package 2 Height | 1.69 in (4.3 cm) |
| Package 2 width | 3.39 in (8.6 cm) |
| Package 2 Length | 10.24 in (26 cm) |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 120 |
| Package 3 Weight | 12.95 lb(US) (5.873 kg) |
| Package 3 Height | 11.81 in (30 cm) |
| Package 3 width | 11.81 in (30 cm) |
| Package 3 Length | 15.75 in (40 cm) |

Offer Sustainability

| | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| 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 |
| Toxic heavy metal free | Yes |
| 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. |

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

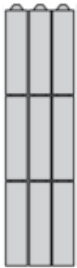


(1) Diameter on finished panel or support

(2) $\text{Ø}30.75 \text{ mm}$ recommended ($\text{Ø}30.5 \text{ }_0^{+0.5}$) / $\text{Ø}1.21 \text{ in.}$ recommended ($\text{Ø}1.20 \text{ in. }_0^{+0.0196}$)

| Connections | a in mm | a in in. | b in mm | b in in. |
|---|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40 | 1.57 | 40 | 1.57 |
| By Faston connectors | 45 | 1.77 | 40 | 1.57 |

Electrical Composition Corresponding to Code C1



Electrical Composition Corresponding to Code C2

Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1

Electrical Composition Corresponding to Code C15

1 N/O

1 N/C

1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C

Legend

Single contact

Double contact

Light block

Possible location



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