

# Product data sheet

## Characteristics

# XB5AJ21

Harmony XB5, Selector switch, plastic, black, Ø22, long handle, 2 positionsn stay put, 1 NO



Product availability: Stock - Normally stocked in distribution facility

Price\*: 51.00 USD



### Main

|                               |  |
|-------------------------------|--|
| Range of product              | Harmony XB5  |
| Product or component type     | Selector switch  |
| Device short name             | XB5  |
| Bezel material                | Dark grey plastic  |
| Head type                     | Standard   |
| Mounting diameter             | 0.87 In (22 mm)  |
| Sale per indivisible quantity | 1  |
| Shape of signaling unit head  | Round  |
| Type of operator              | Stay put   |
| Operator profile              | Black long handle  |
| Operator position information | 2 positions 90°  |
| Contacts type and composition | 1 NO   |
| Contact operation             | Slow-break   |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end EN/IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end EN/IEC 60947-1 |

### Complementary

|                                    |   |
|------------------------------------|---|
| Height                             | 1.89 In (48 mm)                                     |
| Width                              | 1.18 In (30 mm)                                     |
| Depth                              | 2.76 In (70 mm)                                     |
| Terminals description ISO n°1      | (13-14)NO   |
| Net weight                         | 0.09 Lb(US) (0.043 kg)                              |
| Resistance to high pressure washer | 1015.26 Psi (7000000 Pa) 131 °F (55 °C) 0.1 m       |
| Contacts usage                     | Standard contacts                                   |
| Positive opening                   | Without   |
| Torque value                       | 1.24 Lbf.In (0.14 N.m) NO changing electrical state |
| Mechanical durability              | 1000000 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<br>Cross pozidriv No 1<br>Slotted flat Ø 4 mm<br>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 <sub>th</sub> ] conventional free air thermal current | 10 A EN/IEC 60947-5-1   |
| [U <sub>i</sub> ] rated insulation voltage               | 600 V 3)EN 60947-1  |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 KV EN 60947-1   |
| [I <sub>e</sub> ] rated operational current              | 3 A 240 V, AC-15, A600 EN/IEC 60947-5-1<br>6 A 120 V, AC-15, A600 EN/IEC 60947-5-1<br>0.1 A 600 V, DC-13, Q600 EN/IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q600 EN/IEC 60947-5-1<br>0.55 A 125 V, DC-13, Q600 EN/IEC 60947-5-1<br>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<br>1000000 Cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>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<br>$\Lambda < 10\exp(-8)$ 17 V, 5 mA in clean environment EN/IEC 60947-5-4   |
| 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 II conforming to IEC 60536   |
| IP degree of protection               | IP67 IEC 60529<br>IP69<br>IP69K  |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X   |
| IK degree of protection               | IK06 conforming to IEC 50102   |
| Product certifications                | GL<br>BV<br>CSA<br>UL<br>LROS (Lloyds register of shipping)<br>DNV   |
| Vibration resistance                  | 5 gn 2...500 Hz)IEC 60068-2-6  |
| Shock resistance                      | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27<br>50 gn 11 ms) half sine wave acceleration IEC 60068-2-27 |

## Ordering and shipping details

|                       |                                       |
|-----------------------|---------------------------------------|
| Category              | 22467 - PUSHBUTTONS,22MM(PLASTIC) NEW |
| Discount Schedule     | CS2                                   |
| GTIN                  | 00785901383734                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 1.51 Oz (42.9 g)                      |
| Returnability         | Yes                                   |
| Country of origin     | FR                                    |

## Packing Units

|                              |                    |
|------------------------------|--------------------|
| Unit Type of Package 1       | PCE                |
| Package 1 Height             | 3.46 In (8.8 cm)   |
| Package 1 width              | 1.30 In (3.3 cm)   |
| Package 1 Length             | 2.05 In (5.2 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             | 3.46 In (8.8 cm)   |
| Package 2 width              | 1.30 In (3.3 cm)   |
| Package 2 Length             | 10.43 In (26.5 cm) |

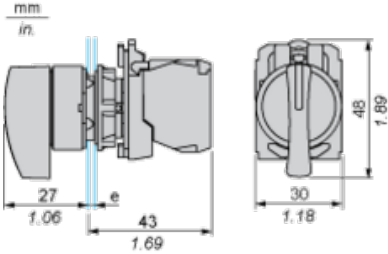
## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</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 |
|----------|-----------|

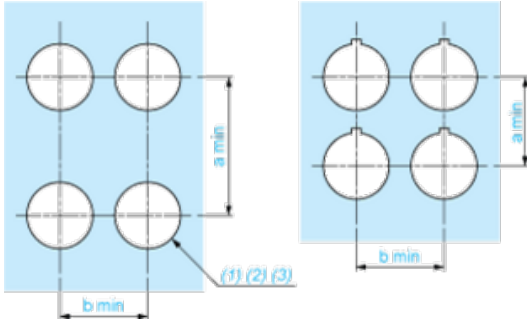
Dimensions



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)

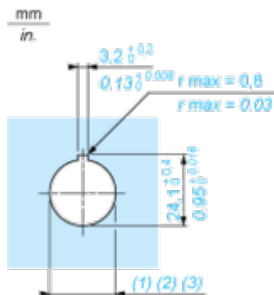
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

| Connections                                   | a in mm | a in in. | b in mm | b in in. |
|---|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40      | 1.57     | 30      | 1.18     |
| By Faston connectors                          | 45      | 1.77     | 32      | 1.26     |
| On printed circuit board                      | 30      | 1.18     | 30      | 1.18     |

Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

Product Life Status : **Commercialised**