

# Product datasheet

Specifications



Harmony XB7. Monolithic selector switch. plastic. black. Ø22. stay put. 2 positions. stay put. 1 NO

XB7ND21

Price: 277.39 ZAR

## Main

|                               |                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------|
| Range Of Product              | Harmony XB7                                                                           |
| Product Or Component Type     | Selector switch                                                                       |
| Device Short Name             | XB7                                                                                   |
| Mounting Diamete              | 22 mm                                                                                 |
| Sale Per Indivisible Quantity | 10                                                                                    |
| Net Weight                    | 0.026 kg                                                                              |
| Ip Degree Of Protection       | IP20 (rear face) conforming to IEC 60529<br>IP65 (front face) conforming to IEC 60529 |
| Shape Of Signaling Unit Head  | Round                                                                                 |
| Type Of Operator              | stay put                                                                              |
| Operator Profile              | Black standard handle                                                                 |
| Operator Position Information | 2 positions 90°                                                                       |
| Contacts Type And Composition | 1 NO                                                                                  |
| Positive Opening              | Without                                                                               |

## Complementary

|                               |                                                                                                                                                                                                                                                         |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cad Overall Width             | 29 mm                                                                                                                                                                                                                                                   |
| Cad Overall Height            | 29 mm                                                                                                                                                                                                                                                   |
| Cad Overall Depth             | 68.5 mm                                                                                                                                                                                                                                                 |
| Terminals Description Iso N°1 | (13-14)NO                                                                                                                                                                                                                                               |
| Device Mounting               | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60947-1                                                                                                                                                                                   |
| Fixing Center                 | >= 30 x 40 mm (support panel) metal - thickness: 1...6 mm<br>>= 30 x 40 mm (support panel) plastic - thickness: 2...6 mm                                                                                                                                |
| Fixing Mode                   | Fixing nut: 2...2.4 N.m                                                                                                                                                                                                                                 |
| Contact Operation             | Slow-break                                                                                                                                                                                                                                              |
| Mechanical Durability         | 300000 cycles                                                                                                                                                                                                                                           |
| Connections - Terminals       | Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1<br>Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to IEC 60947-1                                                                             |
| Tightening Torque             | 0.8...1.2 N.m conforming to IEC 60947-1                                                                                                                                                                                                                 |
| Shape Of Screw Head           | Cross compatible with JIS No 1 screwdriver<br>Cross compatible with Philips no 1 screwdriver<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>Slotted compatible with flat Ø 5.5 mm screwdriver |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Short-Circuit Protection               | 4 A cartridge fuse type gG conforming to IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                           |
| [Ui] Rated Insulation Voltage          | 250 V (pollution degree 3) conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                             |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                   |
| [Ie] Rated Operational Current         | 0.1 A at 250 V, DC-13, R300 conforming to IEC 60947-5-1<br>0.22 A at 125 V, DC-13, R300 conforming to IEC 60947-5-1<br>0.3 A at 240 V, AC-14, D300 conforming to IEC 60947-5-1<br>0.6 A at 120 V, AC-14, D300 conforming to IEC 60947-5-1                                                                                                                                                        |
| Electrical Durability                  | 1000000 cycles, DC-13, 0.3 A at 24 V, operating rate <216000 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 0.03 A at 230 V, operating rate <216000 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 0.09 A at 240 V, operating rate <108000 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Electrical Reliability                 | $\Lambda < 10\exp(-6)$ at 17 V and 5 mA conforming to IEC 60947-5-4                                                                                                                                                                                                                                                                                                                              |

## Environment

|                                       |                                                                                                                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective Treatment                  | TH                                                                                                                                                                             |
| Ambient Air Temperature For Storage   | -40...70 °C                                                                                                                                                                    |
| Ambient Air Temperature For Operation | -25...70 °C                                                                                                                                                                    |
| Electrical Shock Protection Class     | Class II conforming to IEC 61140                                                                                                                                               |
| Nema Degree Of Protection             | NEMA 12 conforming to UL 50 E<br>NEMA 3 conforming to UL 50 E                                                                                                                  |
| Standards                             | CSA C22.2 No 14<br>UL 508<br>IEC 60947-5-1<br>JIS C8201-5-1<br>IEC 60947-1<br>JIS C8201-1                                                                                      |
| Vibration Resistance                  | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6                                                                                                                               |
| Shock Resistance                      | 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type Of Package 1       | PCE     |
| Number Of Units In Package 1 | 1       |
| Package 1 Height             | 7.0 cm  |
| Package 1 Width              | 3.2 cm  |
| Package 1 Length             | 3.2 cm  |
| Package 1 Weight             | 28.0 g  |
| Unit Type Of Package 2       | BAG     |
| Number Of Units In Package 2 | 10      |
| Package 2 Height             | 3.0 cm  |
| Package 2 Width              | 7.0 cm  |
| Package 2 Length             | 3.0 cm  |
| Package 2 Weight             | 288.0 g |
| Unit Type Of Package 3       | S01     |
| Number Of Units In Package 3 | 100     |

|                  |         |
|------------------|---------|
| Package 3 Height | 15.0 cm |
| Package 3 Width  | 15.0 cm |
| Package 3 Length | 40.0 cm |
| Package 3 Weight | 3.08 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

Well-being performance

|   |                            |     |
|---|----------------------------|-----|
| ✓ | Reach Free Of Svhc         |     |
| ✓ | Toxic Heavy Metal Free     |     |
| ✓ | Mercury Free               |     |
| ✓ | Rohs Exemption Information | Yes |

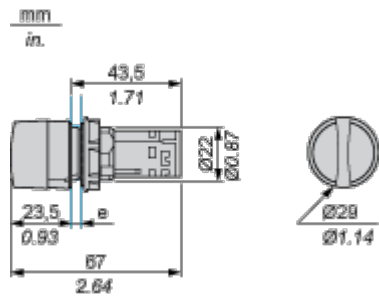
Certifications & Standards

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive        | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                           |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a>                                                                                      |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                               |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                     |

Dimensions Drawings

Selector Switch, Standard Handle

Dimensions

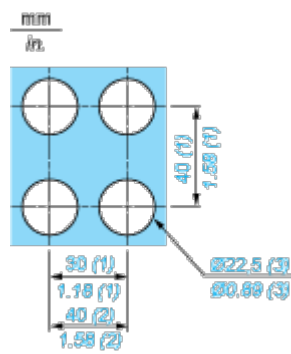


e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

Mounting and Clearance

Mounting

Diameter of Finished Fixing Holes



- (1) Minimum value.
- (2) 40 mm/1.58 in. for Emergency switching off pushbutton only.
- (3) Standard value: Ø 22.3 (0; + 0.4) mm/Ø 0.88 (0; + 0.02) in.

“U” Type Tag Connection

---



- (1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
- (2) M3 screw clamp terminal.

Connections and Schema

Wiring Diagram

---

