

# Product data sheet

Specifications



Illuminated selector switch,  
Harmony XB5, universal LED, grey  
bezel, red handle, 22mm, 2  
positions, stay put, 1NO + 1NC, 24V  
AC DC

XB5AK124B5C0

**Product availability:** Non-Stock - Not normally stocked in  
distribution facility  
**Important message:** A change in appearance may be noted on the  
product but does not affect its use in terms of function and safety.  
This makes it compatible with our Universal LED blocks

## Main

|                               |                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product              | Harmony XB5                                                                                                                              |
| Product or Component Type     | Illuminated selector switch                                                                                                              |
| Device short name             | XB5                                                                                                                                      |
| Bezel material                | Plastic colour plated grey                                                                                                               |
| Head type                     | Standard                                                                                                                                 |
| Mounting diameter             | 0.9 in (22.5 mm)                                                                                                                         |
| Sale per indivisible quantity | 1                                                                                                                                        |
| Shape of signaling unit head  | Round                                                                                                                                    |
| Type of operator              | stay put                                                                                                                                 |
| Operator profile              | Red standard handle                                                                                                                      |
| Operator position information | 2 positions 90°                                                                                                                          |
| 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 IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end IEC 60947-1 |
| Bulb base                     | Integral LED                                                                                                                             |
| [Us] rated supply voltage     | 24 V AC/DC 50/60 Hz                                                                                                                      |

## Complementary

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Height                             | 1.7 in (42 mm)                               |
| Width                              | 1.2 in (30 mm)                               |
| Depth                              | 2.8 in (70 mm)                               |
| Terminals description ISO n°1      | (11-12)NC<br>(13-14)NO                       |
| Product Weight                     | 1.138 lb(US) (0.516 kg)                      |
| Resistance to high pressure washer | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m |
| Contacts usage                     | Standard contacts                            |
| Positive opening                   | With IEC 60947-5-1 appendix K                |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

|                                             |                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating torque                            | 1.24 lbf.in (0.14 N.m) NO changing electrical state                                                                                                                                                                                                                                                                                                                                        |
| Mechanical durability                       | 1000000 cycles                                                                                                                                                                                                                                                                                                                                                                             |
| Tightening torque                           | 7.08...10.6 lbf.in (0.8...1.2 N.m) IEC 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 IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                       |
| [Ith] conventional free air thermal current | 10 A IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                         |
| [Ui] rated insulation voltage               | 600 V 3)IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                        |
| [Uimp] rated impulse withstand voltage      | 6 kV IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                           |
| [Ie] rated operational current              | 3 A 240 V, AC-15, A600 IEC 60947-5-1<br>6 A 120 V, AC-15, A600 IEC 60947-5-1<br>0.1 A 600 V, DC-13, Q600 IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q600 IEC 60947-5-1<br>0.55 A 125 V, DC-13, Q600 IEC 60947-5-1<br>1.2 A 600 V, AC-15, A600 IEC 60947-5-1                                                                                                                                     |
| Electrical durability                       | 1000000 cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C |
| Electrical reliability                      | $\Lambda < 10\exp(-6)$ 5 V 1 mA in clean environment IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment IEC 60947-5-4                                                                                                                                                                                                                                                  |
| Signalling type                             | Steady                                                                                                                                                                                                                                                                                                                                                                                     |
| Light source                                | Universal LED                                                                                                                                                                                                                                                                                                                                                                              |
| Supply voltage limits                       | 19.2...30 V DC<br>21.6...26.4 V AC                                                                                                                                                                                                                                                                                                                                                         |
| Current Consumption                         | 18 mA                                                                                                                                                                                                                                                                                                                                                                                      |
| Service life                                | 100000 h at rated voltage and 25 °C                                                                                                                                                                                                                                                                                                                                                        |
| Surge withstand                             | 1 kV IEC 61000-4-5                                                                                                                                                                                                                                                                                                                                                                         |
| 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               | IP66 IEC 60529<br>IP67 IEC 60529                                                                           |
| Enclosure Type                        | UL type 4X/13                                                                                              |
| IK degree of protection               | IK04 conforming to IEC 50102                                                                               |
| Standards                             | IEC 60947-5-1<br>IEC 60947-1<br>JIS C8201-5-1<br>IEC 60947-5-4<br>CSA C22.2 No 14<br>UL 508<br>JIS C8201-1 |

|                                       |                                                                                                                    |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Product Certifications                | BV<br>UL<br>CSA<br>DNV<br>LROS (Lloyds register of shipping)                                                       |
| Vibration resistance                  | 5 gn (f= 2...500 Hz) conforming to 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 |
| Resistance to fast transients         | 2 kV IEC 61000-4-4                                                                                                 |
| Resistance to electromagnetic fields  | 9.1 V/m (10 V/m) IEC 61000-4-3                                                                                     |
| Resistance to electrostatic discharge | 6 kV on contact (on metal parts) IEC 61000-4-2<br>8 kV in free air (in insulating parts) IEC 61000-4-2             |
| Electromagnetic emission              | Class B IEC 55011                                                                                                  |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CS222467  |
| Discount Schedule | 0CS2          |
| GTIN              | 3606489758530 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Nbr. of units in pkg.  | 1                |
| Package 1 Height       | 3.4 in (8.6 cm)  |
| Package 1 Width        | 1.3 in (3.3 cm)  |
| Package 1 Length       | 2.05 in (5.2 cm) |
| Package weight(Lbs)    | 2.2 oz (61.0 g)  |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

| Environmental footprint  |                                               |
|--------------------------|-----------------------------------------------|
| Environmental Disclosure | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                         |
| Packaging without single use plastic   | Yes                                                                                                                                                                                                                                                                                         |
| SCIP Number                            | 51477834-6557-463b-9186-97e1bf9e303d                                                                                                                                                                                                                                                        |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                                                                                                                                                                                                                      |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a>                                                                                                                                                                                                      |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Use Longer

| Lifetime extension         |    |
|----------------------------|----|
| Repair                     | No |
| Product reparability index | A  |

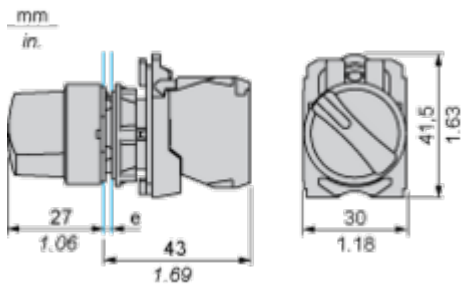
Use Again

| Repack and remanufacture |                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                                                                                                          |
| Take-back                | No                                                                                                                                                                                                               |
| WEEE Label               |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Dimensions Drawings

Dimensions

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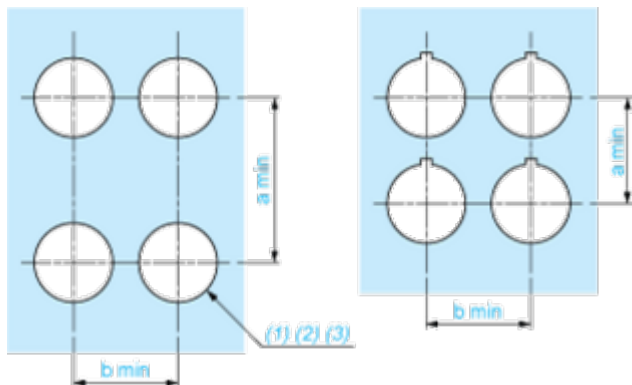


e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

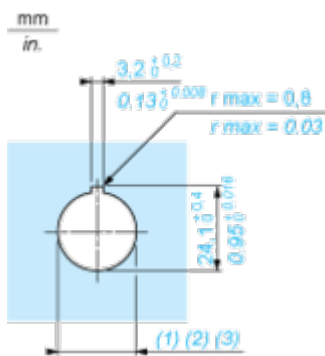
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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) Ø22.5 mm recommended ( $\text{Ø}22.3 \begin{smallmatrix} +0.4 \\ 0 \end{smallmatrix}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in. } \begin{smallmatrix} +0.016 \\ 0 \end{smallmatrix}$ )

| 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     |

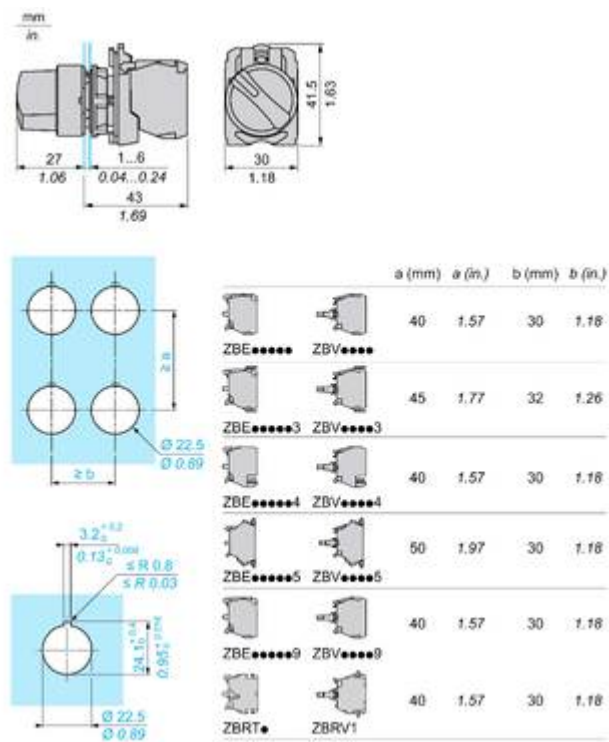
Detail of Lug Recess



- (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) Ø22.5 mm recommended ( $\text{Ø}22.3 \begin{smallmatrix} +0.4 \\ 0 \end{smallmatrix}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in. } \begin{smallmatrix} +0.016 \\ 0 \end{smallmatrix}$ )

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

### Features

Harmony XB5



Quick and easy assembly and disassembly



Excellent mechanical connection with operator head



Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board



Robustness to withstand harsh environments



Large set of accessories to customize your panels



Image of product / Alternate images

Alternative

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