

# Product data sheet

Specifications



Illuminated selector switch,  
Harmony XB5, grey plastic, green  
handle, 30mm, universal LED, 2  
positions, 1NO + 1NC, 110...120V  
AC

XB5FK123G5

**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             | XB5F                                                                                                                                                                 |
| Bezel material                | Dark grey plastic                                                                                                                                                    |
| Head type                     | Built-in-flush                                                                                                                                                       |
| Mounting diameter             | 30.5 mm                                                                                                                                                              |
| Sale per indivisible quantity | 1                                                                                                                                                                    |
| Shape of signaling unit head  | Round                                                                                                                                                                |
| Type of operator              | stay put                                                                                                                                                             |
| Operator profile              | Green standard handle, unmarked                                                                                                                                      |
| 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 conforming to IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to IEC 60947-1 |
| Bulb base                     | Integral LED                                                                                                                                                         |
| [Us] rated supply voltage     | 110...120 V AC at 50/60 Hz                                                                                                                                           |

## Complementary

|                                    |                                                        |
|------------------------------------|--------------------------------------------------------|
| Height                             | 42 mm                                                  |
| Width                              | 36.6 mm                                                |
| Depth                              | 71 mm                                                  |
| Terminals description ISO n°1      | (21-22)NC<br>(13-14)NO                                 |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m                  |
| Contacts usage                     | Standard contacts                                      |
| Positive opening                   | With NC contact conforming to IEC 60947-5-1 appendix K |
| Mechanical durability              | 1000000 cycles                                         |
| Tightening torque                  | 0.8...1.2 N.m conforming to IEC 60947-1                |

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

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shape of screw head                         | 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                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Contacts material                           | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Short-circuit protection                    | 10 A cartridge fuse type gG conforming to IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| [Ith] conventional free air thermal current | 10 A conforming to IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| [Ui] rated insulation voltage               | 600 V (pollution degree 3) conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [Uimp] rated impulse withstand voltage      | 6 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| [Ie] rated operational current              | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1                                                                                                                                                                                                                                                                               |
| Electrical durability                       | 1000000 cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Electrical reliability                      | $\Lambda < 10^{\exp(-6)}$ at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4<br>$\Lambda < 10^{\exp(-8)}$ at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Light source                                | Universal LED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Supply voltage limits                       | 94...132 V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Device presentation                         | Complete product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Environment

|                                       |                                                                                                            |
|---------------------------------------|------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                         |
| Ambient air temperature for storage   | -40...70 °C                                                                                                |
| Ambient air temperature for operation | -40...70 °C                                                                                                |
| Electrical shock protection class     | Class II conforming to IEC 60536                                                                           |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67<br>IP69<br>IP69K                                                      |
| Enclosure Type                        | UL type 4X/13                                                                                              |
| IK degree of protection               | IK03 conforming to IEC 50102                                                                               |
| Standards                             | IEC 60947-1<br>UL 508<br>JIS C8201-5-1<br>IEC 60947-5-4<br>IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C8201-1 |
| Product certifications                | UL listed<br>CSA                                                                                           |
| Vibration resistance                  | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6                                                           |

|                  |                                                                                       |
|------------------|---------------------------------------------------------------------------------------|
| Shock resistance | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |
|                  | 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |
|                  | 60068-2-27                                                                            |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 8.600 cm |
| Package 1 Width              | 5.200 cm |
| Package 1 Length             | 4.300 cm |
| Package 1 Weight             | 57.000 g |

## Contractual warranty

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



## Environmental Data

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

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 0.8 kg CO2 eq.                                |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.5 kg CO2 eq.                                |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 0.1 kg CO2 eq.                                |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.1 kg CO2 eq.                                |
| 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 repair index | <a href="#">A</a> |

## Use Again

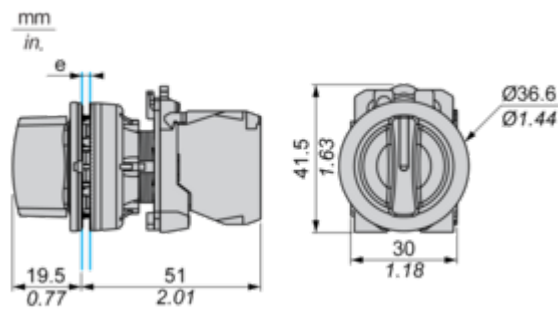


### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in %   | 33                                                                                                                                                                                                              |
| End of life manual availability | <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

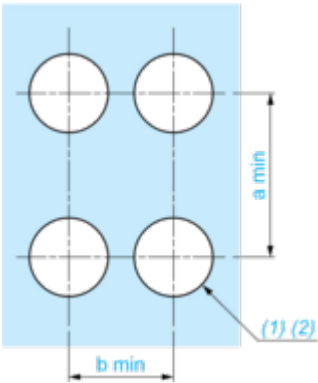


e: Clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

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



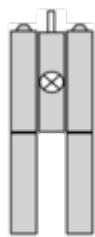
- (1) Diameter on finished panel or support
- (2)  $\varnothing 30.75\text{ mm}$  recommended ( $\varnothing 30.5\text{ mm}^{+0.5}_0$ ) /  $\varnothing 1.21\text{ in.}$  recommended ( $\varnothing 1.20\text{ in.}^{+0.0196}_0$ )

| 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     |

Technical Description

Electrical Composition Corresponding to Code M3

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Electrical Composition Corresponding to Code M4

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Electrical Composition Corresponding to Codes M6 and P2

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Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



Legend

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Single contact



Double contact



Light block



Possible location



Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°



|          |          |        |        |  |        |
|----------|----------|--------|--------|--|--------|
| Push     | Position | Top    |        |  |        |
|          |          | Bottom |        |  |        |
|          | Location |        | Left   |  | Right  |
|          | State    |        | 0      |  | 0      |
|          |          |        |        |  |        |
| Contacts | N/O      |        | open   |  | open   |
|          | N/C      |        | closed |  | closed |

Position 45°



|          |          |        |        |  |        |
|----------|----------|--------|--------|--|--------|
| Push     | Position | Top    |        |  |        |
|          |          | Bottom |        |  |        |
|          | Location |        | Left   |  | Right  |
|          | State    |        | 1      |  | 1      |
|          |          |        |        |  |        |
| Contacts | N/O      |        | closed |  | closed |
|          | N/C      |        | open   |  | open   |

Technical Illustration

Dimensions

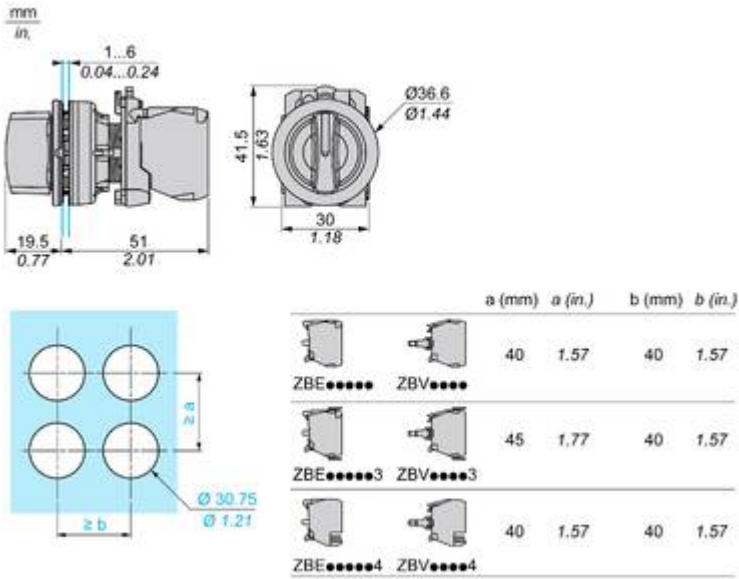


Image of product / Alternate images

Alternative

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