

# Product data sheet

Specifications



flush mounted green illum ssw 2 pos  
stay put 24V AC/DC 1NO+1NC  
screw cp white

XB5FK123B5C1

⚠ Discontinued on: Jun 30, 2020

⚠ Discontinued

## Main

|                               |                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB5                                                                                                                              |
| Product or component type     | Illuminated selector switch                                                                                                              |
| Device short name             | XB5F                                                                                                                                     |
| Bezel material                | Plastic colour plated white                                                                                                              |
| Head type                     | Built-in-flush                                                                                                                           |
| Mounting diameter             | 1.2 in (30.5 mm)                                                                                                                         |
| Sale per indivisible quantity | 1                                                                                                                                        |
| Shape of signaling unit head  | Round                                                                                                                                    |
| Type of operator              | stay put<br>Stay put handle                                                                                                              |
| Operator profile              | Green standard handle, unmarked<br>Green 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 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                              | 1.4 in (36.6 mm)                               |
| Depth                              | 2.8 in (71 mm)                                 |
| Terminals description ISO n°1      | (21-22)NC<br>(13-14)NO                         |
| Resistance to high pressure washer | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m   |
| Contacts usage                     | Standard contacts                              |
| Positive opening                   | With NC contact IEC 60947-5-1 appendix K       |
| Mechanical durability              | 1000000 cycles                                 |
| Tightening torque                  | 7.08...10.6 lbf.in (0.8...1.2 N.m) 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 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                                                                                                                                                                                                                                                  |
| Light source                                | Protected LED                                                                                                                                                                                                                                                                                                                                                                              |
| Supply voltage limits                       | 21.6...26.4 V AC                                                                                                                                                                                                                                                                                                                                                                           |
| 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                                                                                             |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                 |
| 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 18 ms) half sine wave acceleration IEC 60068-2-27<br>50 gn 11 ms) half sine wave acceleration IEC 60068-2-27 |

## Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |

# 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 >](#)

### Use Better

| Materials and Substances |                                        |
|--------------------------|----------------------------------------|
| SCIP Number              | 51477834-6557-463b-9186-97e1bf9e303d   |
| EU RoHS Directive        | <a href="#">Compliant By Exemption</a> |

### Use Longer

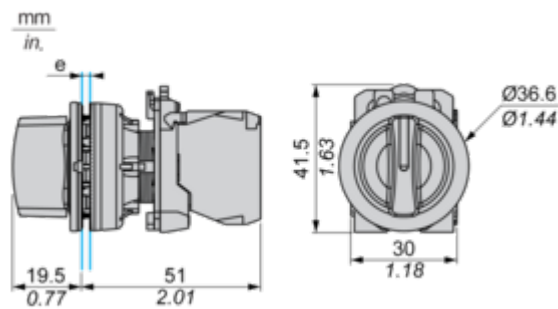
| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

### Use Again

| Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

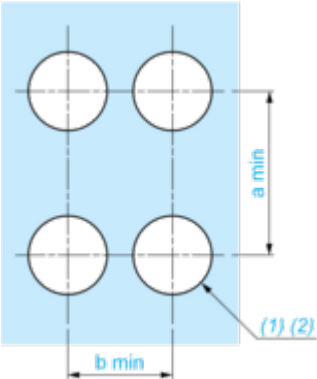


e: Clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

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



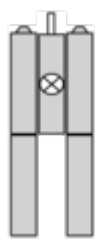
- (1) Diameter on finished panel or support
- (2) Ø30.75 mm recommended ( $\text{Ø}30.5 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$ ) / Ø1.21 in. recommended ( $\text{Ø}1.20 \text{ in. } \begin{smallmatrix} +0.0196 \\ 0 \end{smallmatrix}$ )

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

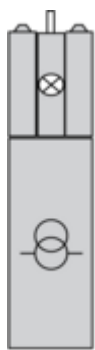
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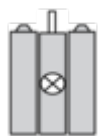


Electrical Composition Corresponding to Codes M6 and P2

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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

