

# Product data sheet

Specifications



Control station, Harmony, plastic, yellow, 1 red mushroom head push button 40mm, emergency stop turn to release 2 NC, unmarked, UL CSA certified

XALK178FH7

**Product availability:** Stock - Normally stocked in distribution facility

## Main

|                             |                                                             |
|-----------------------------|-------------------------------------------------------------|
| Range of Product            | Harmony XALK                                                |
| Product or Component Type   | Complete control station                                    |
| Device short name           | XALK                                                        |
| Product destination         | For XB5 Ø 22 mm control and signalling units                |
| Control station application | Emergency switching off function<br>Emergency stop function |
| Colour of base of enclosure | Light grey RAL 7035)                                        |
| Colour of cover             | Yellow RAL 1021)                                            |
| Material                    | Polycarbonate                                               |
| Operator profile            | 1 mushroom head push-button                                 |
| Operators description       | Red unmarked 2 NC                                           |
| Reset                       | Turn to release                                             |
| Control station composition | 1 mushroom head Ø 40 mm push-button, red 2 NC unmarked      |
| Contact operation           | Slow-break                                                  |

## Complementary

|                                    |                                                                                                                                          |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Cable entry                        | 1 knock-out for cable entry 0...0.6 in (0...14 mm)<br>2 knock-outs for Pg 13 cable gland and ISO M20 0...0.5 in (0...12 mm)              |
| Net Weight                         | 0.428 lb(US) (0.194 kg)                                                                                                                  |
| Resistance to high pressure washer | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                                                                             |
| Positive opening                   | With IEC 60947-5-1 appendix K                                                                                                            |
| Operating travel                   | 0.06 in (1.5 mm) NC changing electrical state)<br>0.2 in (4.3 mm) total travel)                                                          |
| Operating force                    | 44 N                                                                                                                                     |
| Mechanical durability              | 300000 cycles                                                                                                                            |
| 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 |
| 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                                                |

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

|                                             |                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                                                                                                         |
| [Uij] 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 IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 17 V, 5 mA IEC 60947-5-4                                                                                                                                                                                                                                                                                          |

## 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)                                                                                                                              |
| Overvoltage category                  | Class II conforming to IEC 60536                                                                                                                        |
| IP degree of protection               | IP66 IEC 60529<br>IP67<br>IP69<br>IP69K                                                                                                                 |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                                                      |
| IK degree of protection               | IK03 conforming to IEC 62262                                                                                                                            |
| Standards                             | IEC 60947-5-5<br>IEC 60204-1<br>JIS C 4520<br>ISO 13850<br>IEC 60947-5-4<br>IEC 60364-5-53<br>UL 508<br>IEC 60947-5-1<br>CSA C22.2 No 14<br>IEC 60947-1 |
| Product Certifications                | UL Listed<br>CSA                                                                                                                                        |
| Vibration resistance                  | 5 gn (f= 12...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                                      |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CS222475  |
| Discount Schedule | 0CS2          |
| GTIN              | 3389119413947 |
| Returnability     | Yes           |
| Country of origin | CZ            |

## Packing Units

|                              |                      |
|------------------------------|----------------------|
| Unit Type of Package 1       | PCE                  |
| Number of Units in Package 1 | 1                    |
| Package 1 Height             | 2.80 in (7.100 cm)   |
| Package 1 Width              | 2.80 in (7.100 cm)   |
| Package 1 Length             | 3.94 in (10.000 cm)  |
| Package 1 Weight             | 6.067 oz (172.000 g) |

## Contractual warranty

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

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 >](#)

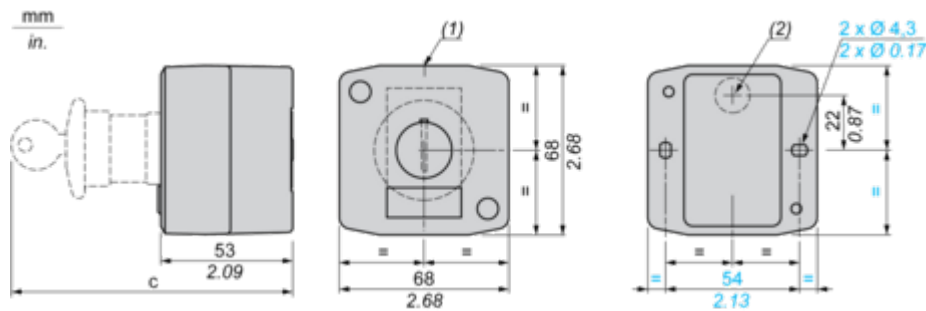
[How we assess product sustainability >](#)

| Environmental footprint                        |   |
|------------------------------------------------|---|
| Carbon footprint (kg CO2 eq, Total Life cycle) | 1 |

| Use Better |  |
| Materials and Substances |  |
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | No |
| [EU RoHS Directive](#) | Pro-active compliance (Product out of EU RoHS legal scope) |
| REACH Regulation | [REACH Declaration](#) |
| Use Again |  |
| Repack and remanufacture |  |
| Take-back | No |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Dimensions Drawings

Dimensions

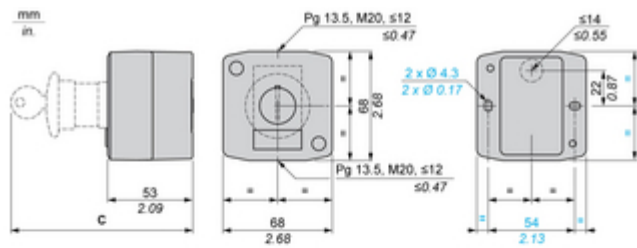


- (1) 2 knock-outs for Pg 13.5 cable gland, maximum capacity 12 mm/0.47 in.  
(2) Knock-out for cable entry, maximum capacity 14 mm/0.55 in.

| Control station fitted with:                              | c in mm | c in in. |
|-----------------------------------------------------------|---------|----------|
| Flush pushbutton                                          | 62      | 2.44     |
| Pilot light                                               | 64      | 2.52     |
| Illuminated pushbutton                                    | 65.5    | 2.58     |
| Projecting pushbutton                                     | 66      | 2.60     |
| Selector switch                                           | 80      | 3.15     |
| Mushroom head pushbutton                                  | 91.5    | 3.58     |
| Latching mushroom head Emergency stop pushbutton with key | 115     | 4.53     |
| Key switch                                                | 105.5   | 4.15     |

Technical Illustration

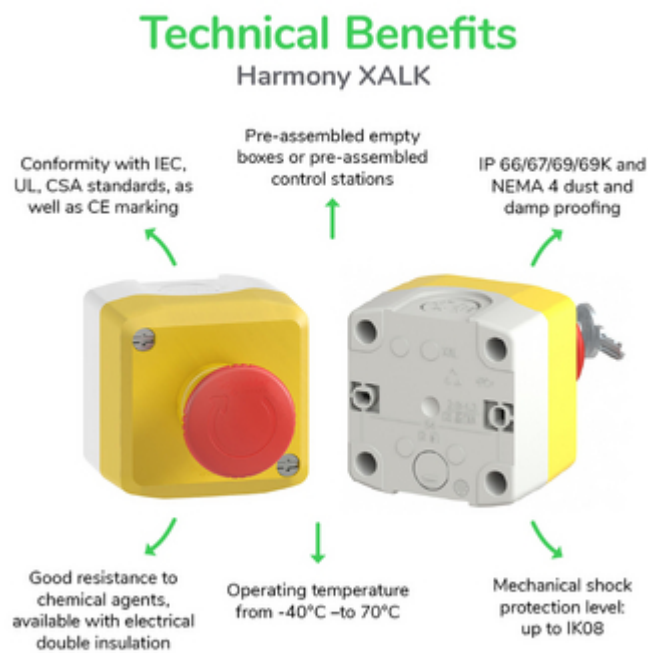
Dimensions



| C                                                                                                                                                              | mm    | in.  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|
|  ZB5AA●, ZB5AH0●                                                              | 62    | 2.44 |
|  ZB5AV●                                                                       | 64    | 2.52 |
|  ZB5AW3●                                                                      | 65.5  | 2.58 |
|  ZB5AL●, ZB5AW1●, ZB5AH●, ZB5AH●3                                             | 66    | 2.6  |
|  ZB5AD●, ZB5AK●                                                               | 80    | 3.15 |
|  ZB5A56●, ZB5AT●, ZB5AC●, ZB5AR●, ZB5AW4●, ZB5AW6●, ZB5A54●, ZB5A55●, ZB5A56● | 91.5  | 3.58 |
|  ZB5A59●, ZB5AS1●, ZB5AS7●                                                   | 115   | 4.53 |
|  ZB5AG●                                                                     | 105.5 | 4.15 |

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

---

### Features

Harmony XALK



Complete stations for emergency stop function with a single mushroom head non-illuminated or illuminated function from XB5 range



Possibility to add up to 3 NO or NC contact blocks per operating head



Complete, ready-to-install stations with 1 to 3 buttons for the most common functions



Polycarbonate pre-drilled control stations



Modular system and simple to cable universal range





Image of product / Alternate images

Alternative

---



