# Product data sheet

Specifications




## Control station, Harmony XALD, XALK, plastic, yellow, 1 red mushroom head push button 40mm, emergency stop turn to release, 1NO + 1 NC, unmarked

XALK178E

**Product availability: Non-Stock - Not 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 1 NO + 1 NC |
| **Reset** | Turn to release |
| **Control station composition** | 1 mushroom head Ø 40 mm push-button, red 1 NO + 1 NC unmarked |
| **Contact operation** | Slow-break |

## Complementary

| | |
|---|---|
| **AC control voltage 50 HZ** | 120…600 V |
| **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) |
| **AC control voltage 60 HZ** | 120…600 V |
| **Product Weight** | 0.428 lb(US) (0.194 kg) |
| **DC control voltage** | 125…600 V |
| **Resistance to high pressure washer** | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m |
| **Number of command positions** | 1 |
| **Number of indicator lights** | 0 |
| **Number of push buttons** | 0 |
| **Positive opening** | With IEC 60947-5-1 appendix K |
| **Operating travel** | 0.06 in (1.5 mm) NC changing electrical state)<br>0.1 in (2.6 mm) NO changing electrical state)<br>0.2 in (4.3 mm) total travel) |
| **Operating force** | 44 N NC + NO changing electrical state |

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

| | |
|---|---|
| **Number of selector switches** | 0 |
| **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 |
| **Number of key switches** | 0 |
| **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 |
| **Number of mushroom-shaped push-buttons** | 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 |
| **Emergency Power Off (EPO)** | No |
| **Electrical reliability** | Λ < 10exp(-6) 5 V, 1 mA IEC 60947-5-4<br>Λ < 10exp(-8) 17 V, 5 mA IEC 60947-5-4 |
| **Number of contacts as normally closed contact** | 1 |
| **Number of contacts as normally open contact** | 1 |
| **Number of contacts as change-over contact** | 0 |
| **Housing material** | Plastic |
| **Housing Colour** | Yellow |
| **colour of cover** | Yellow |

# 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 60947-5-4<br>CSA C22.2 No 14<br>UL 508<br>IEC 60947-5-5<br>ISO 13850<br>IEC 60947-5-1<br>JIS C 4520<br>IEC 60364-5-53<br>IEC 60947-1<br>IEC 60204-1 |
| **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 |
| **IP Degree of Protection** | IP66/IP67/IP69/IP69K |
| **NEMA Degree of Protection** | NEMA 4X/13 |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10CS222475 |
| **Discount Schedule** | 0CS2 |
| **GTIN** | 3389110113662 |
| **Returnability** | Yes |
| **Country of origin** | CZ |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 3.819 in (9.700 cm) |
| **Package 1 Width** | 2.756 in (7.000 cm) |
| **Package 1 Length** | 2.756 in (7.000 cm) |
| **Package weight(Lbs)** | 5.996 oz (170.000 g) |
| **Unit Type of Package 2** | S03 |
| **Number of Units in Package 2** | 40 |
| **Package 2 Height** | 11.811 in (30.000 cm) |
| **Package 2 Width** | 11.811 in (30.000 cm) |
| **Package 2 Length** | 15.748 in (40.000 cm) |
| **Package 2 Weight** | 15.829 lb(US) (7.180 kg) |
| **Unit Type of Package 3** | P06 |
| **Number of Units in Package 3** | 320 |
| **Package 3 Height** | 29.528 in (75.000 cm) |
| **Package 3 Width** | 23.622 in (60.000 cm) |
| **Package 3 Length** | 31.496 in (80.000 cm) |
| **Package 3 Weight** | 149.130 lb(US) (67.644 kg) |

## 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 | **1 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **1 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 kg CO2 eq.** |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **No** |
| Packaging without single use plastic | **No** |
| EU RoHS Directive | Compliant |
| REACh Regulation | Free of Substances of Very High Concern above the threshold |
| 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 www.P65Warnings.ca.gov** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

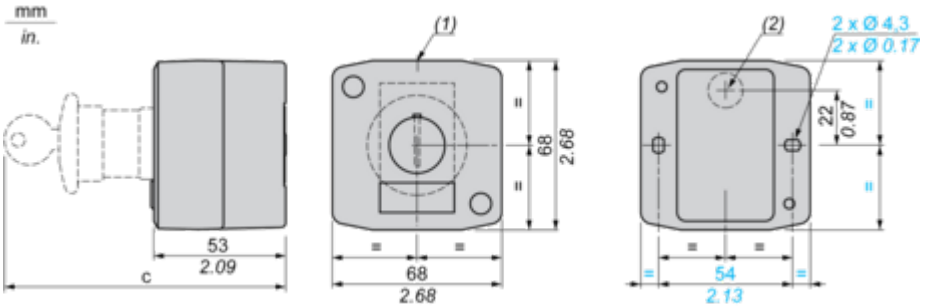
## Use Again

### Repack and remanufacture

| | |
|---|---|
| Circularity Profile | End of Life Information |
| 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

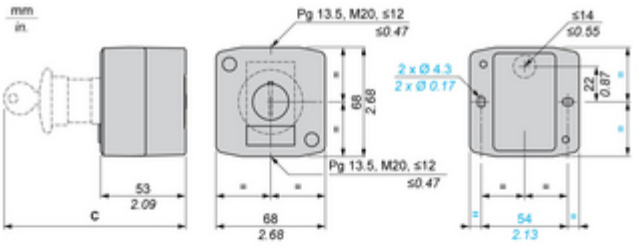



**(1)** 2 knock-outs for Pg 13.5 cable gland, maximum capacity 12 mm/0.47 in.
**(2)** Knock-out for cable entry, maximum capacity 14 mm/0.55 in.

| 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

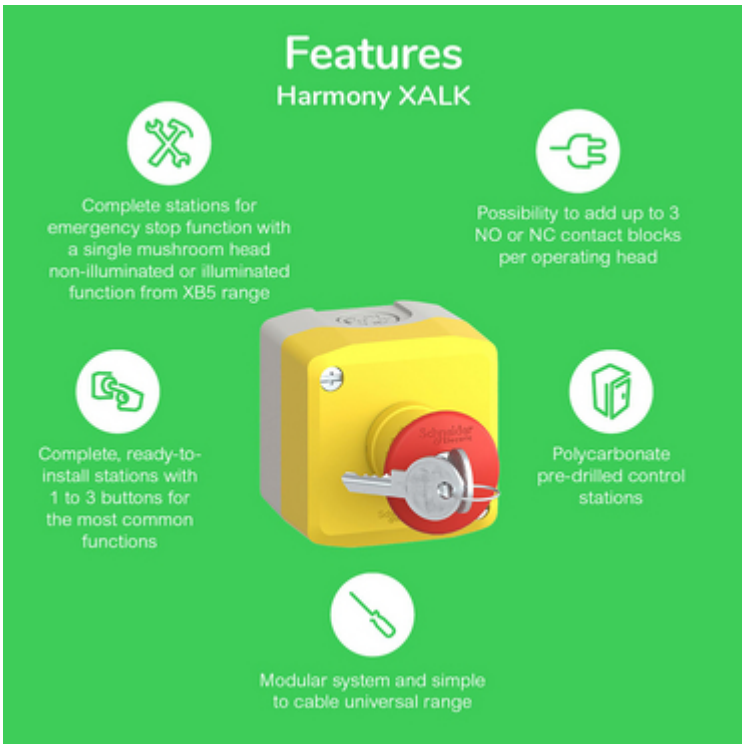
**Dimensions**




| 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 |
| ZB5AS8●, ZB5AT●, ZB5AC●, ZB5AR●, ZB5AW4●, ZB5AW6●, ZB5AS4●, ZB5AS5●, ZB5AS6● | 91.5 | 3.58 |
| ZB5AS9●, ZB5AS1●, ZB5AS7● | 115 | 4.53 |
| ZB5AG● | 105.5 | 4.15 |

Offer Marketing Illustration

**Product benefits / Features**



Offer Marketing Illustration

**Product benefits / Features**

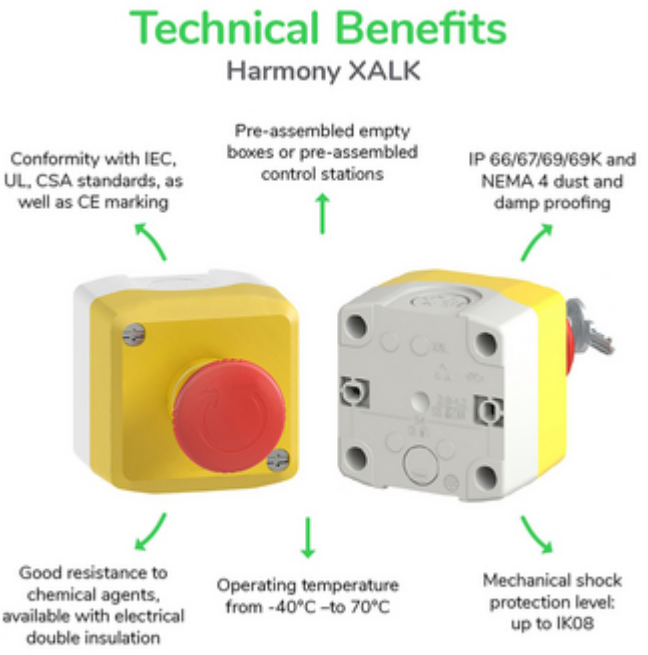
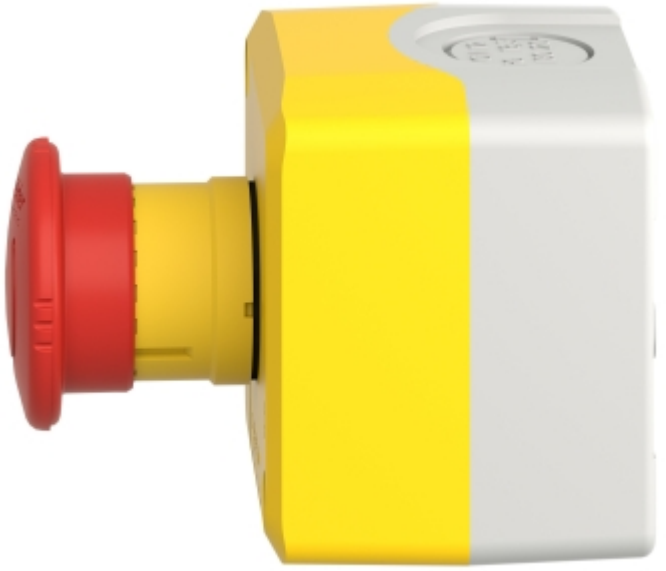


Image of product / Alternate images

**Alternative**




Schneider
Electric




CM 12
PG 13,5
150 20


XAL
>PC<
2 Ø 4.3
54