

# 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

## 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 marking |
| Contact operation           | Slow-break                                                            |

## Complementary

|                                    |                                                                                                                                                                                                           |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable entry                        | 1 knock-out for cable entry 0...14 mm<br>2 knock-outs for Pg 13 cable gland and ISO M20 0...12 mm                                                                                                         |
| Product weight                     | 0.194 kg                                                                                                                                                                                                  |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m                                                                                                                                                                     |
| Positive opening                   | With conforming to IEC 60947-5-1 appendix K                                                                                                                                                               |
| Operating travel                   | 1.5 mm (NC changing electrical state)<br>2.6 mm (NO changing electrical state)<br>4.3 mm (total travel)                                                                                                   |
| Operating force                    | 44 N NC + NO changing electrical state                                                                                                                                                                    |
| Mechanical durability              | 300000 cycles                                                                                                                                                                                             |
| 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                                      |
| Tightening torque                  | 0.8...1.2 N.m conforming to IEC 60947-1                                                                                                                                                                   |
| 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)                                                                                                                                                                                      |

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

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                      | $\Lambda < 10\text{exp}(-6)$ at 5 V, 1 mA conforming to IEC 60947-5-4<br>$\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA conforming to IEC 60947-5-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Environment

|                                       |                                                                                                                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                                                                             |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                                                                    |
| Ambient air temperature for operation | -40...70 °C                                                                                                                                                                    |
| Overvoltage category                  | Class II conforming to IEC 60536                                                                                                                                               |
| IP degree of protection               | IP66 conforming to 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 (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 9.700 cm |
| Package 1 Width              | 7.000 cm |

|                              |           |
|------------------------------|-----------|
| Package 1 Length             | 7.000 cm  |
| Package 1 Weight             | 170.000 g |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 40        |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 7.180 kg  |
| Unit Type of Package 3       | P06       |
| Number of Units in Package 3 | 320       |
| Package 3 Height             | 75.000 cm |
| Package 3 Width              | 60.000 cm |
| Package 3 Length             | 80.000 cm |
| Package 3 Weight             | 67.644 kg |

## 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          |                                               |
|----------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint | 1                                             |
| Environmental Disclosure         | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                            |
|----------------------------------------|------------------------------------------------------------|
| Packaging made with recycled cardboard | No                                                         |
| Packaging without single use plastic   | No                                                         |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope) |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                          |

Use Again

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

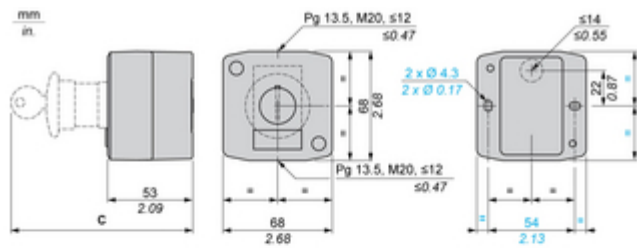


- (1) 2 knock-outs for Pg 13.5 cable gland, maximum capacity 12 mm/0.47 in.  
(2) Knock-out for cable entry, maximum capacity 14 mm/0.55 in.

| 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 |

Image of product / Alternate images

Alternative

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