

# Product data sheet

Specifications



Joystick controller, Harmony XB4,  
metal, 22mm, 2 directions, stay put,  
1NO on each direction

XD4PA12

Product availability: Stock - Normally stocked in distribution facility

## Main

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product               | Harmony XDA                                                                                                                              |
| Product or Component Type      | Joystick controller                                                                                                                      |
| Device short name              | XD4                                                                                                                                      |
| Bezel material                 | Chromium plated metal                                                                                                                    |
| Fixing collar material         | Zamak                                                                                                                                    |
| Mounting diameter              | 0.9 in (22.5 mm)                                                                                                                         |
| Sale per indivisible quantity  | 1                                                                                                                                        |
| Type of operator               | Stay put, long operating shaft 2.1 in (54 mm)                                                                                            |
| Operator position information  | 3 positions                                                                                                                              |
| Operator direction information | 2 directions                                                                                                                             |
| Contacts type and composition  | 1 NO                                                                                                                                     |
| 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 |

## Complementary

|                                    |                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------|
| CAD overall width                  | 1.2 in (30 mm)                                                                            |
| CAD overall height                 | 1.8 in (46.5 mm)                                                                          |
| CAD overall depth                  | 4.3 in (109 mm)                                                                           |
| Product Weight                     | 0.256 lb(US) (0.116 kg)                                                                   |
| Resistance to high pressure washer | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                              |
| Shape of signaling unit head       | Round                                                                                     |
| Notch per direction                | 1                                                                                         |
| Contacts usage                     | Standard                                                                                  |
| Positive opening                   | Without                                                                                   |
| Mechanical durability              | 1000000 cycles                                                                            |
| 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                                                      |

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

|                                             |                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [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              | 0.1 A 250 V, DC-13, R300 IEC 60947-5-1<br>0.22 A 125 V, DC-13, R300 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                                                                                                                                                                                                                                                |
| Device presentation                         | Complete product                                                                                                                                                                                                                                                                                                                                                                           |

## Environment

|                                       |                                                                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                          |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)                                                                                                  |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C)                                                                                                  |
| Electrical shock protection class     | Class I conforming to IEC 60536                                                                                             |
| IP degree of protection               | IP66 IEC 60529                                                                                                              |
| Enclosure Type                        | UL type 4X/13                                                                                                               |
| IK degree of protection               | IK03 conforming to IEC 50102                                                                                                |
| Standards                             | IEC 60947-5-4<br>CSA C22.2 No 14<br>JIS C8201-5-1<br>IEC 60947-5-5<br>IEC 60947-1<br>UL 508<br>IEC 60947-5-1<br>JIS C8201-1 |
| Product Certifications                | CSA<br>LROS (Lloyds register of shipping)<br>BV<br>UL Listed<br>DNV                                                         |
| 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          |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CS222468  |
| Discount Schedule | 0CS2          |
| GTIN              | 3389110887402 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                        |                   |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE               |
| Nbr. of units in pkg.  | 1                 |
| Package 1 Height       | 5.04 in (12.8 cm) |

|                              |                          |
|------------------------------|--------------------------|
| Package 1 Width              | 1.3 in (3.4 cm)          |
| Package 1 Length             | 1.9 in (4.8 cm)          |
| Package weight(Lbs)          | 4.3 oz (122.0 g)         |
| Unit Type of Package 2       | S02                      |
| Number of Units in Package 2 | 40                       |
| Package 2 Height             | 5.9 in (15.0 cm)         |
| Package 2 Width              | 11.8 in (30.0 cm)        |
| Package 2 Length             | 15.7 in (40.0 cm)        |
| Package 2 Weight             | 11.435 lb(US) (5.187 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] | 0.8 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 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                            | 3f5be3ea-91d8-44be-909b-d6ac0a6fe845                                                                                                                                                                                                                                                        |
| 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 repairability index | <a href="#">A</a> |

## Use Again

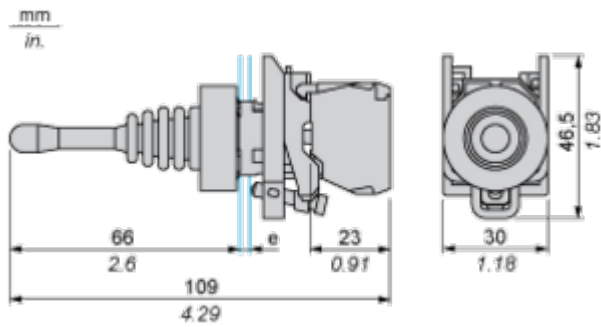


### Repack and remanufacture

|                               |                                                                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in % | 42                                                                                                                                                                                                               |
| Circularity Profile           | <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

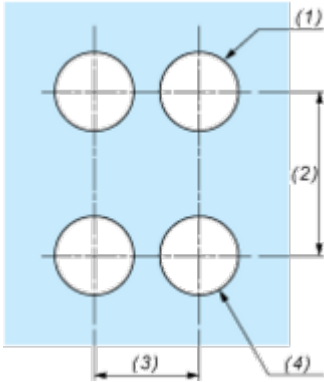
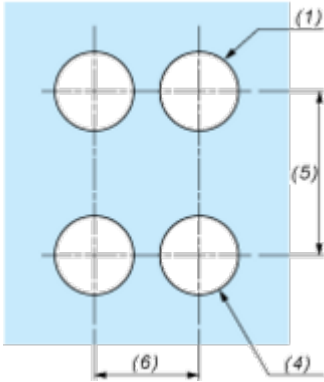
Dimensions



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

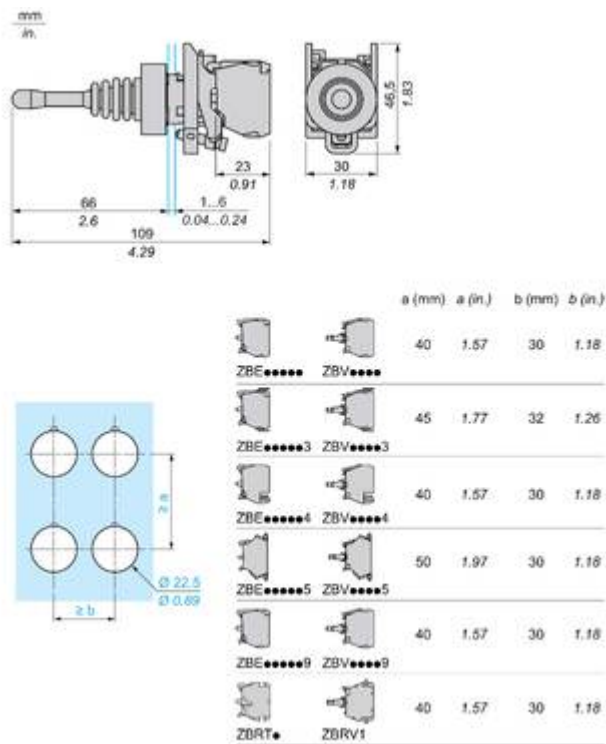
Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

| Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board                                                                                                                                                                                                                                               | Connection by Faston Connectors                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                    |  |
| <p>(1) Diameter on finished panel or support</p> <p>(2) 40 mm min. / 1.57 in. min.</p> <p>(3) 30 mm min. / 1.18 in. min.</p> <p>(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm<sub>0</sub><sup>+0.4</sup> / 0.88 in.<sub>0</sub><sup>+0.016</sup>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> |                                                                                    |

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

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### Features

Harmony XB4



Quick and easy assembly and disassembly



Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board



Excellent mechanical connection with operator head



Large set of accessories to customize your panels



Robustness to withstand harsh environments



Offer Marketing Illustration

Product benefits / Features

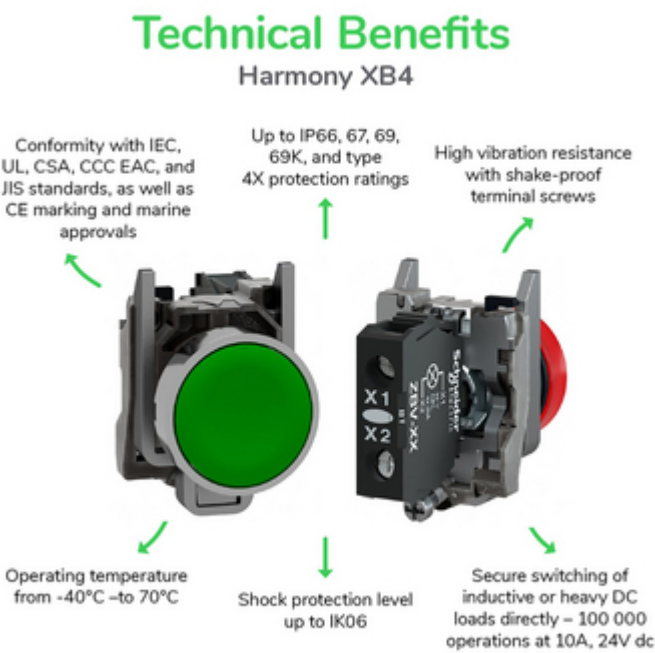


Image of product / Alternate images

Alternative

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