

# Product data sheet

Specifications



## joystick controller Ø22 4-direction stay put 1NO per direction

XD4PA143

⚠ Discontinued on: Jan 29, 2021

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### 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	22.5 mm
Sale Per Indivisible Quantity	1
Type Of Operator	Stay put, long operating shaft 54 mm length
Operator Position Information	5 positions
Operator Direction Information	4 directions
Contacts Type And Composition	1 NO
Contact Operation	Slow-break
Connections - Terminals	Faston connector, connection size: 1 x 6.35 mm Faston connector, connection size: 2 x 2.8 mm

### Complementary

Net Weight	0.133 kg
Resistance To High Pressure Washer	7000000 Pa at 55 °C, distance : 0.1 m
Shape Of Signaling Unit Head	Round
Notch Per Direction	1
Contacts Usage	Standard
Positive Opening	Without
Mechanical Durability	1000000 cycles
Contacts Material	Silver alloy (Ag/Ni)
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	250 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	0.1 A at 250 V, DC-13, R300 conforming to IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to IEC 60947-5-1

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

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 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 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 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 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 in clean environment conforming to IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4
Device Presentation	Complete product

## Environment

Protective Treatment	TH
Ambient Air Temperature For Storage	-40...70 °C
Ambient Air Temperature For Operation	-25...70 °C
Electrical Shock Protection Class	Class I conforming to IEC 60536
Ip Degree Of Protection	IP66 conforming to IEC 60529
Nema Degree Of Protection	NEMA 13 NEMA 4X
Ik Degree Of Protection	IK03 conforming to IEC 50102
Standards	CSA C22.2 No 14 IEC 60947-5-1 JIS C8201-5-1 IEC 60947-5-5 UL 508 IEC 60947-1 IEC 60947-5-4 JIS C8201-1
Product Certifications	GL LROS (Lloyds register of shipping) CSA DNV BV UL listed
Vibration Resistance	5 gn ( $f= 2...500$ 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 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

## Packing Units

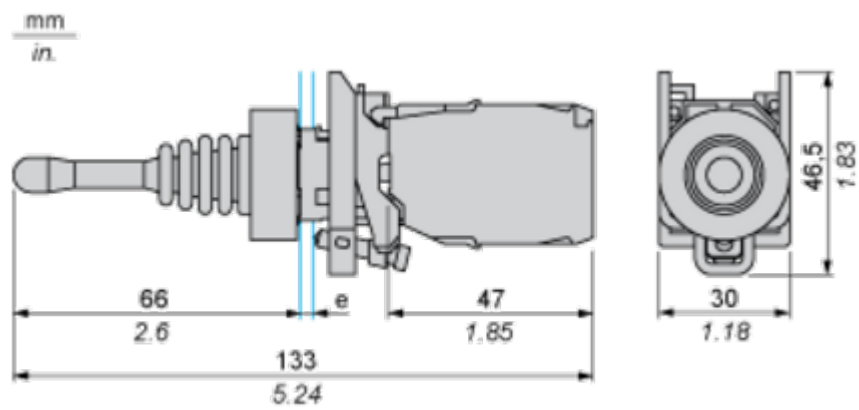
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

## Contractual warranty

Warranty	18 months
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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 <math>^{+0.4}_0</math> / 0.88 in. <math>^{+0.016}_0</math>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p>	