

Product data sheet

Specifications



Complete joystick controller, Harmony XK, with variable composition for medium hoisting applications

XKDF

! Discontinued

! Discontinued on: Oct 31, 2022

Main

| | |
|-------------------------------|------------------------------|
| Range Of Product | Harmony XK |
| Product Or Component Type | Complete joystick controller |
| Product Specific Application | Medium hoisting applications |
| Device Short Name | XKDF |
| Sale Per Indivisible Quantity | 1 |

Complementary

| | |
|--------------------------------|---|
| Bezel Material | Metal |
| Fixing Collar Material | Metal |
| Terminals Description Iso N°1 | (11-12)NC |
| Protective Treatment | TC |
| Operator Position Information | All positions |
| Operator Profile | Standard handle Handle in the center Handle in the center, 1 C/O, snap action Dead man's handle, 1 NC + 1 NO, slow-break Dead man's handle, 1 NO + 1 NO, slow-break Handle, 1 NC + 1 NO Handle, 1 NO + 1 NO |
| Control Station Composition | 1 flush push-button 1 projecting push-button |
| Notch Per Direction | 1...3 notches at 12°-24°-36° for each direction 1...5 notches at 12°-18°-24°-30°-36° for each direction |
| Adaptation For Potentiometer | Without adaptation nor potentiometer With adaptation, without potentiometer With adaptation and potentiometer |
| Operator Direction Information | 2 to 6 directions |
| Positive Opening | Slow break, double-break contactswith positive opening operation |
| Connections - Terminals | Captive screw clamp terminals, <= 2 x 1.5 mm² with cable end Captive screw clamp terminals, <= 1 x 2.5 mm² without cable end Captive screw clamp terminals, >= 1 x 0.5 mm² |
| Tightening Torque | 0.8...1.2 N.m conforming to EN 60947-1 |
| Shape Of Screw Head | Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver 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

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|---|---|
| Short-Circuit Protection | 10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1 |
| Contact Block Name | ZB2BE102 |
| Contacts Type And Composition | 1 NC |
| [Ith] Conventional Free Air Thermal Current | 10 A conforming to EN/IEC 60947-5-1 10 A conforming to CSA C22.2 No 14 |
| [Ui] Rated Insulation Voltage | 500 V (pollution degree 3) conforming to EN 60947-1 |
| [Uimp] Rated Impulse Withstand Voltage | 6 kV conforming to EN 60947-1 |
| [Ie] Rated Operational Current | 0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to EN/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 EN/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 EN/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 EN/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 EN/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 EN/IEC 60947-5-1 appendix C |
| Electrical Reliability | $\Lambda < 10\exp(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\exp(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4 |

Environment

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|---------------------------------------|---|
| Ambient Air Temperature For Storage | -40...70 °C |
| Ambient Air Temperature For Operation | -20...70 °C |
| Overvoltage Category | Class I conforming to IEC 61140 |
| Ip Degree Of Protection | IP54 conforming to IEC 60529 |
| Standards | EN/IEC 60947-5-1 CSA C22.2 No 14 |
| Product Certifications | CSA EAC CCC |
| Mechanical Durability | 3000000 cycles |
| Vibration Resistance | 2 gn (f= 10...500 Hz) conforming to IEC 60068-2-6 |
| Shock Resistance | 15 gn (duration = 11 ms) conforming to IEC 60068-2-27 |

Packing Units

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|------------------------------|---------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 33.8 cm |
| Package 1 Width | 12 cm |
| Package 1 Length | 12 cm |
| Package 1 Weight | 2.1 kg |