Specifications





Panel mounted timer monofunction, Harmony XB5, plastic, 22mm, time delay 0.5...10s, 24V DC

XB5DTB22

Main

| Range Of Product | Harmony XB5 | | |
|-------------------------------|-------------|--|--|
| Product Or Component Type | Timer | | |
| Sale Per Indivisible Quantity | 1 | | |

Complementary

| Complementary | |
|-----------------------------------|--|
| Bezel Material | Plastic |
| Fixing Collar Material | Plastic |
| Mounting Diamete | 22 mm |
| Panel Thickness | 16 mm |
| Shape Of Signaling Unit Head | Round |
| Time Delay Range | 0.510 s |
| Time Delay Type | A |
| Repeat Accuracy | +/- 0.5 % |
| Setting Accuracy Of Time Delay | +/- 10 % of full scale at 25 °C conforming to IEC 61812-1 |
| Temperature Drift | +/- 0.05 %/°C |
| Voltage Drift | +/- 0.2 %/V |
| Protection Type | Overvoltage protection Reverse polarity protection |
| Pollution Degree | 3 conforming to IEC 60664-1 |
| Output Type | Open collector PNP |
| Temporary Permissible Current | 10 A for 0.01 s |
| Minimum Switching Current | 10 mA |
| Voltage Drop In Closed State | 3 V |
| Nominal Rating | 200 mA at 20 °C(derating 1.5 mA per °C) |
| Residual Current In Open State | 0.1 mA |
| Maximum Power Consumption In W | 1 W |
| Reset Time | 5 ms after time delay on de-energisation 7 ms during time delay on de-energisation |
| Local Signalling | LED green, flashing for timing in progress LED, steady for no timing in progress and output relay energised |
| [Us] Rated Supply Voltage | 24 V DC |
| Supply Voltage Limits | 16.831.2 V DC |

| Output Short-Circuit Protection | Yes |
|---|--|
| Connections - Terminals | Screw terminals 1 x 4 mm ² conforming to IEC 60947-1 Screw terminals 1 x 2.5 mm ² conforming to IEC 60947-1 |
| Ip Degree Of Protection | IP65 front: conforming to IEC 60529 IP20 back: conforming to IEC 60529 |
| Ambient Air Temperature For Operation | -2060 °C |
| Ambient Air Temperature For Storage | -2080 °C |
| Tightening Torque | 0.5 N.m |
| Dielectric Strength | 1500 V conforming to IEC 61812-1 |
| [Ui] Rated Insulation Voltage | 50 V conforming to IEC 60947-1 50 V conforming to IEC 60664-1 |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV conforming to IEC 60947-1 4 kV conforming to IEC 60664-1 |
| Surge Withstand | 1 kV, level 2 conforming to IEC 61000-4-5 |
| Overvoltage Category | Class 3 conforming to IEC 60536 Class 3 conforming to IEC 60664-1 |
| Vibration Resistance | 0.15 mm (f= 1060 Hz) conforming to IEC 60068-2-6 2 gn (f= 60150 Hz) conforming to IEC 60068-2-6 |
| Shock Resistance | +/- 15 gn for 11 ms (6 shocks on each axis) conforming to IEC 60068-2-27 |
| Resistance To Fast Transients | 2 kV class level 3 conforming to IEC 61000-4-4 |
| Electromagnetic Compatibility | Electrostatic discharge 6 kV level 3 conforming to IEC 61000-4-2 Electromagnetic emission class B conforming to IEC 55011 |
| Resistance To Electromagnetic Fields | 10 V/m 80 MHz1 GHz level 3 conforming to IEC 61000-4-3 3 V/m 1.42 GHz level 2 conforming to IEC 61000-4-3 1 V/m 22.7 GHz level 1 conforming to IEC 61000-4-3 |
| Immunity To Radioelectric Fields | 10 V level 3 conforming to IEC 61000-4-6 |
| Disturbance Radiated/Conducted | Class B conforming to EN 50022 |
| Standards | IEC 61812-1 UL 508 |
| Product Certifications | CE UL listed |
| Device Presentation | Monolithic product |
| Height | 62 mm |
| Diameter | 29 mm |
| Net Weight | 0.027 kg |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|-----------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 2.600 cm |
| Package 1 Width | 3.000 cm |
| Package 1 Length | 7.400 cm |
| Package 1 Weight | 28.000 g |
| Unit Type Of Package 2 | S01 |
| Number Of Units In Package 2 | 72 |
| Package 2 Height | 15.000 cm |

| Package 2 Width | 15.000 cm |
|------------------|-----------|
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 2.339 kg |

Sustainability Screen

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



RoHS/REACh

Well-being performance

Mercury Free

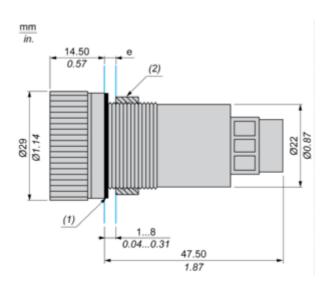
Rohs Exemption Information

Certifications & Standards

| Reach Regulation | REACh Declaration | | | |
|-----------------------|--|--|--|--|
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) | | | |
| China Rohs Regulation | China RoHS declaration | | | |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins | | | |

Dimensions Drawings

Dimensions

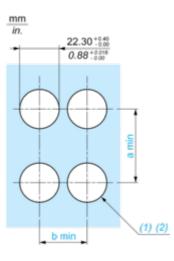


- (e) Clamping thickness: 1 mm to 6 mm / 0.03 in. to 0.24 in. (1) Sealing ring
- (2) Screw

Mounting and Clearance

Panel Cut-out for Analog Timer (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors



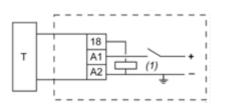
(1) Diameter on finished panel or support

(2) Ø22 mm recommended (Ø22.3 0+0.4) / Ø0.89 in. recommended (Ø0.88 in. 0^{+0.016})

| Connections | a in mm | a in in. | b in mm | b in in. |
|---|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 50 | 1.97 | 30 | 1.18 |

Connections and Schema

Wiring Diagram



T : Timer (1) Load A1 - A2 : Supply (24VDC)

Technical Description

Function A : On Delay Timer

Description

The timing period T begins on energisation with blinking LED indication. After timing, the output (18) closes and LED goes steady

Function: Output

