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 <sup>2</sup> conforming to IEC 60947-1 Screw terminals 1 x 2.5 mm <sup>2</sup> 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 Premium<sup>TM</sup> 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-CO<sub>2</sub> 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

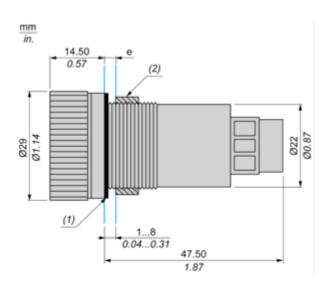
Rohs Exemption Information

### **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

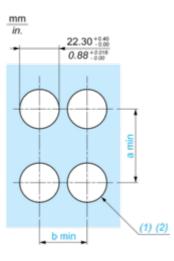


- (e) Clamping thickness: 1 mm to 6 mm / 0.03 in. to 0.24 in. (1) Sealing ring
- (2) Screw

Mounting and Clearance

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

#### **Connection by Screw Clamp Terminals or Plug-in Connectors**



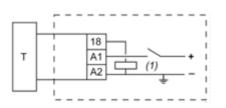
#### (1) Diameter on finished panel or support

(2) Ø22 mm recommended (Ø22.3 0+0.4) / Ø0.89 in. recommended (Ø0.88 in. 0<sup>+0.016</sup>)

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**

