

Product data sheet

Characteristics

XB5DTB25

Panel mounted timer monofunction, Harmony XB5, plastic, 22mm, time delay 3...60min, 24V DC



Main

Range of Product	Harmony XB5
Product or Component Type	Timer
Sale per indivisible quantity	1

Complementary

Bezel material	Plastic
Fixing collar material	Plastic
Mounting diameter	0.9 in (22 mm)
Panel Thickness	0.04...0.2 in (1...6 mm)
Shape of signaling unit head	Round
Time delay range	3...60 min
Time delay type	A
Repeat accuracy	+/- 0.5 %
Setting accuracy of time delay	+/- 10 % of full scale 77 °F (25 °C) IEC 61812-1
Temperature Drift	+/- 0.05 %/°C
Voltage drift	+/- 0.2 %/V
Protection Type	Reverse polarity protection Overvoltage protection
Pollution degree	3 IEC 60664-1
Output Type	Open collector PNP
Temporary permissible current	10 A 0.01 s
Minimum switching current	10 mA
Voltage drop in closed state	3 V
Nominal rating	200 mA at 68 °F (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 timing in progress LED, steady no timing in progress and output relay energised
[Us] rated supply voltage	24 V DC
Supply voltage limits	16.8...31.2 V DC
Output short-circuit protection	Yes
Connections - terminals	Screw terminals 1 x 4 mm ² IEC 60947-1 Screw terminals 1 x 2.5 mm ² IEC 60947-1
IP degree of protection	IP65 front: conforming to IEC 60529 IP20 back: conforming to IEC 60529
Ambient Air Temperature for Operation	-4...140 °F (-20...60 °C)
Ambient Air Temperature for Storage	-4...176 °F (-20...80 °C)
Tightening torque	4.4 lbf.in (0.5 N.m)

Dielectric strength	1500 V IEC 61812-1
[Ui] rated insulation voltage	50 V IEC 60947-1 50 V IEC 60664-1
[Uimp] rated impulse withstand voltage	4 kV IEC 60947-1 4 kV IEC 60664-1
Surge withstand	1 kV, level 2 IEC 61000-4-5
Overvoltage category	Class 3 IEC 60536 Class 3 IEC 60664-1
Vibration resistance	0.15 mm 10...60 Hz)IEC 60068-2-6 2 gn 60...150 Hz)IEC 60068-2-6
Shock resistance	+/- 15 gn 11 ms 6 shocks on each axis)IEC 60068-2-27
Resistance to fast transients	2 kV level 3 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	9.1 V/M (10 V/m) 80 MHz...1 GHz level 3 IEC 61000-4-3 2.7 V/M (3 V/m) 1.4...2 GHz level 2 IEC 61000-4-3 0.9 V/m (1 V/m) 2...2.7 GHz level 1 IEC 61000-4-3
Immunity to radioelectric fields	10 V level 3 IEC 61000-4-6
Disturbance radiated/conducted	Class B EN 50022
Standards	UL 508 IEC 61812-1
Product Certifications	UL Listed[RETURN]CE
Device presentation	Monolithic product
Height	2.4 in (62 mm)
Diameter	1.1 in (29 mm)
Net Weight	0.060 lb(US) (0.027 kg)

Ordering and shipping details

Category	US10CS200028
Discount Schedule	0CS2
GTIN	3606481205490
Returnability	Yes
Country of origin	FR

Packing Units

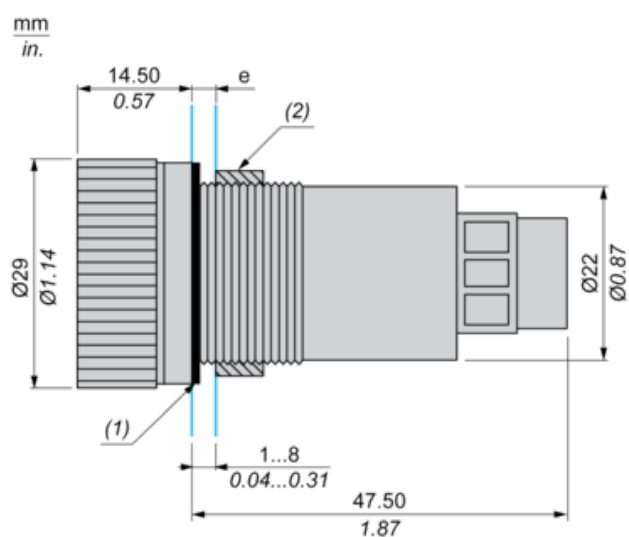
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.3 in (3.2 cm)
Package 1 Width	1.3 in (3.2 cm)
Package 1 Length	3.0 in (7.5 cm)
Package 1 Weight	1.06 oz (30.0 g)
Unit Type of Package 2	S01
Number of Units in Package 2	24
Package 2 Height	5.9 in (15.0 cm)
Package 2 Width	5.9 in (15.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	32.1 oz (911.0 g)

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration

RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Dimensions



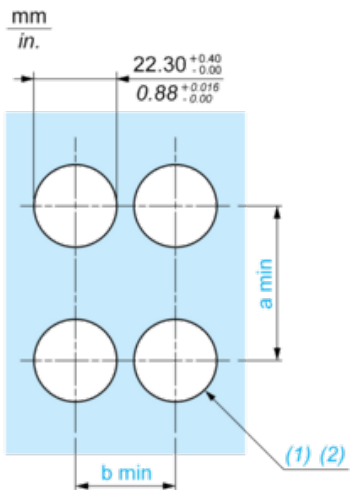
(e) Clamping thickness: 1 mm to 6 mm / 0.03 in. to 0.24 in.

(1) Sealing ring

(2) Screw

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

Connection by Screw Clamp Terminals or Plug-in Connectors

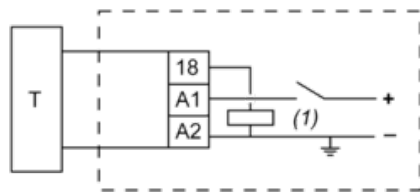


(1) Diameter on finished panel or support

(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

Wiring Diagram



T : Timer

(1) Load

A1 - A2 : Supply (24VDC)

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



De-energised

Energised

 Output open

 Output closed

(18) Timed output

(A1- A2) Supply