Product data sheet

Specifications



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

XB5DTB22

Product availability: Non-Stock - Not normally stocked in distribution facility

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	0.5...10 s
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	Overvoltage protection Reverse polarity 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
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

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Connections - terminals	Screw terminals 1 x 4 mm² IEC 60947-1 Screw terminals 1 x 2.5 mm² 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 conforming to IEC 60536 Class 3 conforming to IEC 60664-1
Vibration resistance	0.15 mm (f= 10…60 Hz) conforming to IEC 60068-2-6 2 gn (f= 60…150 Hz) conforming to 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	IEC 61812-1 UL 508
Product Certifications	CE UL Listed
Device presentation	Monolithic product
Height	2.4 in (62 mm)
Width	1.1 in (29 mm)
Depth	1.1 in (29 mm)
Product Weight	0.060 lb(US) (0.027 kg)
Diameter	1.1 in (29 mm)

Ordering and shipping details

Category	US10CS200028
Discount Schedule	0CS2
GTIN	3606481205469
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE

Nbr. of units in pkg.	1
Package 1 Height	1.024 in (2.600 cm)
Package 1 Width	1.181 in (3.000 cm)
Package 1 Length	2.913 in (7.400 cm)
Package weight(Lbs)	0.988 oz (28.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	72
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	5.906 in (15.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	5.157 lb(US) (2.339 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant By Exemption
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

Use Longer

Lifetime extension

Repair	No
Product repairability index	A

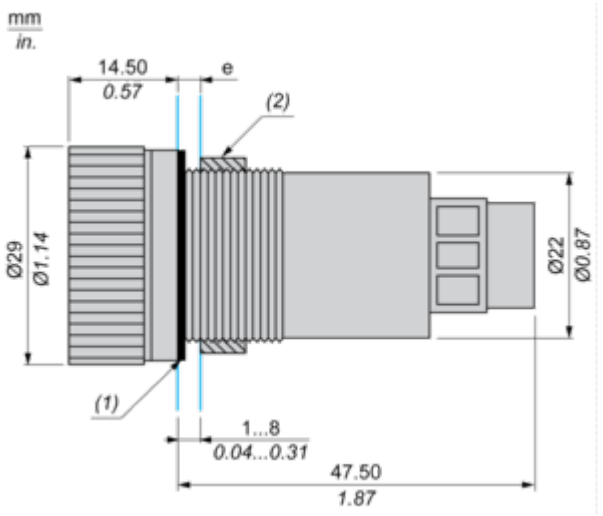
Use Again

Repack and remanufacture

Take-back	No

Dimensions Drawings

Dimensions

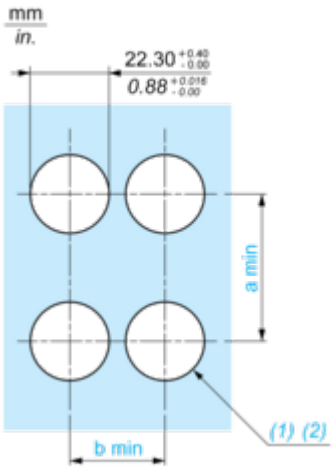


(e) Clamping thickness: 1 mm to 6 mm / 0.03 in. to 0.24 in.
(1) Sealing ring
(2) Screw

Mounting and Clearance

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

Connection by Screw Clamp Terminals or Plug-in Connectors



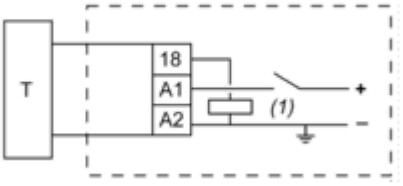
(1) Diameter on finished panel or support

(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

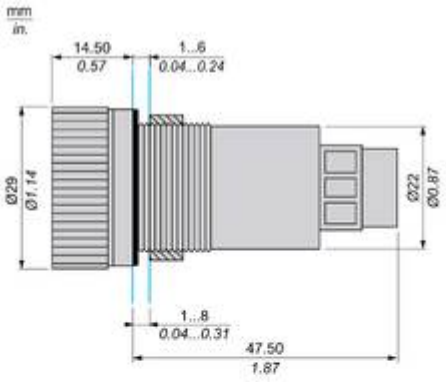
Function: Output

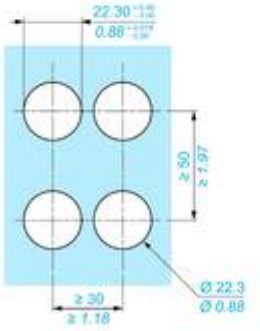


De-energised
Energised
Output open
Output closed
(18) Timed output
(A1- A2) Supply

Technical Illustration

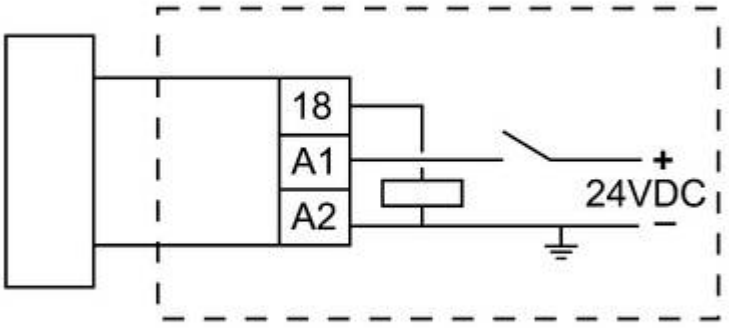
Dimensions





Technical Illustration

Wiring diagram



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



Image of product / Alternate images

Alternative


sec
1
2
3
4
5
6
7
8
9
10
T
Schneider Electric
XB5DTB5
24 VDC


XB5DTB22
Made in France


XB5DTB
24 VDC
I max: 0.2A AC12
Schneider-electric