

Product data sheet

Specifications



Panel mounted timer monofunction,
Harmony XB5, plastic, 22mm, time
delay 0.5...10s, 100...240V AC DC

XB5DTGM2

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 22 mm

Panel Thickness 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 at 25 °C conforming to IEC 61812-1

Temperature drift +/- 0.05 %/°C

Voltage drift +/- 0.2 %/V

Protection type Overvoltage protection

Pollution degree 3 conforming to IEC 60664-1

Output type Thyristor

Temporary permissible current 10 A for 0.01 s

minimum switching current 10 mA

Voltage drop in closed state 5 V

Residual current in open state 5 mA

Power consumption in W 1 W

Power consumption in VA 1.5 VA

Reset time 30 ms after time delay on de-energisation
60 ms during time delay on de-energisation

Local signalling LED green, steady for timing in progress
LED, off for no timing in progress and output relay energised

[Us] rated supply voltage 110...230 V AC/DC

Supply voltage limits 93.5...253 V AC/DC

Output short-circuit protection No

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	-20...60 °C
Ambient air temperature for storage	-20...80 °C
Tightening torque	0.5 N.m
Dielectric strength	1500 V conforming to IEC 61812-1
[Ui] rated insulation voltage	250 V conforming to IEC 60947-1 250 V conforming to IEC 60664-1
[Ui_{imp}] rated impulse withstand voltage	4 kV conforming to IEC 60947-1 4 kV conforming to IEC 60664-1
Surge withstand	2 kV, level 3 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= 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 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 MHz...1 GHz level 3 conforming to IEC 61000-4-3 3 V/m 1.4...2 GHz level 2 conforming to IEC 61000-4-3 1 V/m 2...2.7 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
Width	29 mm
Depth	29 mm
Product weight	0.027 kg
Diameter	29 mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.2 cm
Package 1 Width	3.2 cm
Package 1 Length	7.5 cm
Package 1 Weight	30.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	72

Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.363 kg



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	Pro-active compliance (Product out of EU RoHS legal scope)
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

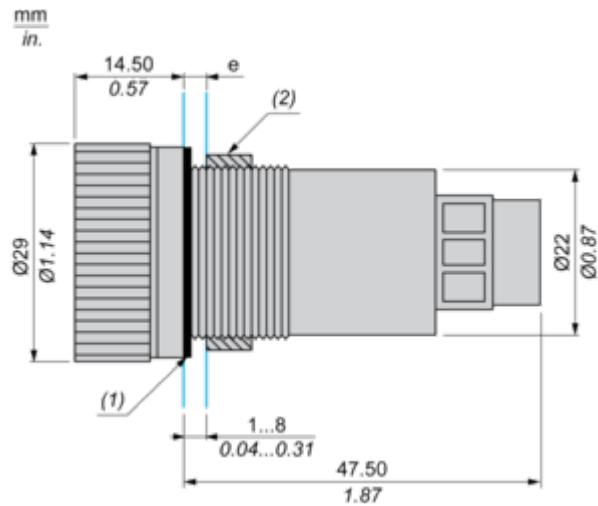
Use Again

Repack and remanufacture

Take-back	No
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Dimensions Drawings

Dimensions



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

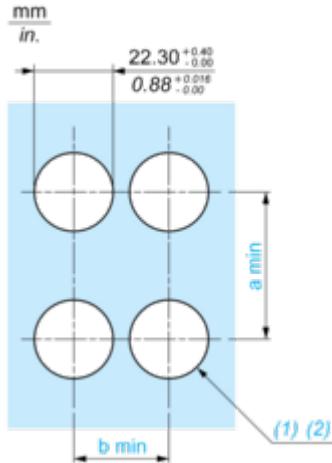
(1) Sealing ring

(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

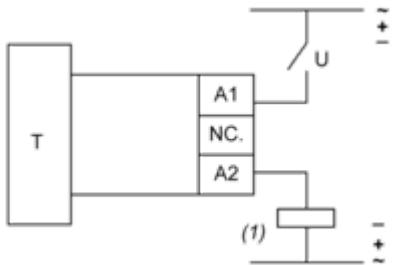


(1) Diameter on finished panel or support

(2) Ø22 mm recommended ($\varnothing 22.3\ 0+0.4$) / Ø0.89 in. recommended ($\varnothing 0.88\ in.\ 0^{+0.016}$)

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

U : Supply (110...230 VAC/DC)

T : Timer

(1) Load

NC : No Connection

Technical Description

Function A : On Delay Timer

Description

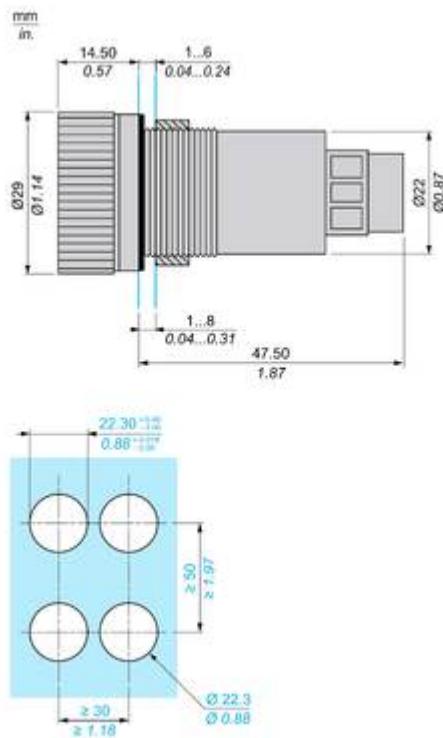
The timing period T begins on energisation with LED On. After timing, the output (A1-A2) closes and LED Off

Function: Output

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

Technical Illustration

Dimensions



Technical Illustration

Wiring diagram

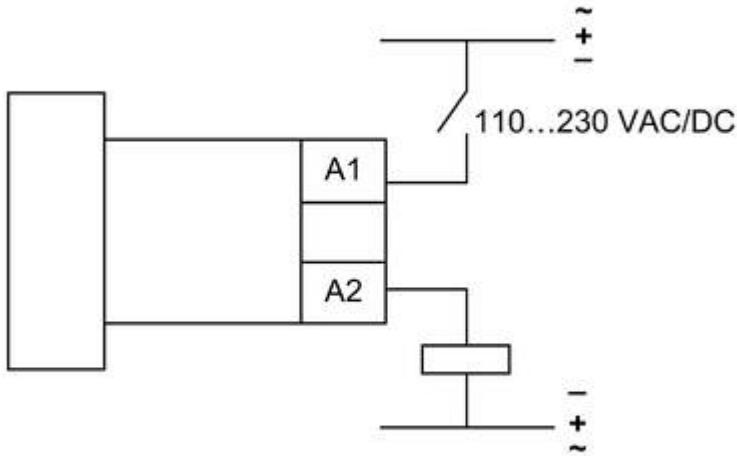


Image of product / Alternate images

Alternative



