

# XB5DTGM4

Harmony XB5, Panel mounted timer  
monofunction, plastic, Ø22, time delay 0.5...10  
min, 100...240 V AC/DC



## Main

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

## Complementary

|                                       |                                                                                                                |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Bezel material                        | Plastic                                                                                                        |
| Fixing collar material                | Plastic                                                                                                        |
| Mounting diameter                     | 0.87 in (22 mm)                                                                                                |
| Panel Thickness                       | 0.24 in (6 mm)                                                                                                 |
| Shape of signaling unit head          | Round                                                                                                          |
| Time delay range                      | 0.5...10 min                                                                                                   |
| Time delay type                       | A                                                                                                              |
| Repeat accuracy                       | +/- 0.5 %                                                                                                      |
| Setting accuracy of time delay        | +/- 10 % of full scale 77 °F (25 °C) EN/IEC 61812-1                                                            |
| Temperature drift                     | +/- 0.05 %/°C                                                                                                  |
| Voltage drift                         | +/- 0.2 %/V                                                                                                    |
| Protection Type                       | Overvoltage protection                                                                                         |
| Output Type                           | Open collector PNP                                                                                             |
| Temporary permissible current         | 10 A 0.01 s                                                                                                    |
| Minimum switching current             | 10 mA                                                                                                          |
| Voltage drop in closed state          | 5 V                                                                                                            |
| Network type                          | AC                                                                                                             |
| 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<br>60 ms during time delay on de-energisation                        |
| Local signalling                      | LED green, steady timing in progress<br>LED, stop or suppress 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       | With                                                                                                           |
| Connections - terminals               | Screw terminals 1 x 4 mm² EN/IEC 60947-1<br>Screw terminals 1 x 2.5 mm² EN/IEC 60947-1                         |
| IP degree of protection               | Front IP65 IEC 60529<br>Back IP20 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                     | 4.43 lbf.in (0.5 N.m)                                                                                          |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                                        |                                                                                                                                                                    |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dielectric strength                    | 1500 V EN/IEC 61812-1                                                                                                                                              |
| [Ui] rated insulation voltage          | 250 V EN 60947-1<br>250 V IEC 60664-1                                                                                                                              |
| [Uimp] rated impulse withstand voltage | 4 kV EN 60947-1<br>4 kV IEC 60664-1                                                                                                                                |
| Surge withstand                        | 2 kV, level 2 IEC 61000-4-5                                                                                                                                        |
| Overvoltage category                   | Class 3 IEC 60536<br>Class 3 IEC 60664-1                                                                                                                           |
| Pollution degree                       | 3                                                                                                                                                                  |
| Vibration resistance                   | 0.15 mm 10...60 Hz)IEC 60068-2-6<br>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<br>Electromagnetic emission class B conforming to IEC 55011                                       |
| Resistance to electromagnetic fields   | 9.14 V/m (10 V/m) 80 MHz...1 GHz level 3 IEC 61000-4-3<br>2.74 V/m (3 V/m) 1.4...2 GHz level 3 IEC 61000-4-3<br>0.91 V/m (1 V/m) 2...2.7 GHz level 3 IEC 61000-4-3 |
| Immunity to radioelectric fields       | 10 V level 3 EN/IEC 61000-4-6                                                                                                                                      |
| Disturbance radiated/conducted         | Class B EN 50022                                                                                                                                                   |
| Standards                              | UL 508<br>EN/IEC 61812-1                                                                                                                                           |
| Product Certifications                 | UL Listed<br>CE                                                                                                                                                    |
| Height                                 | 2.44 in (62 mm)                                                                                                                                                    |
| Diameter                               | 1.14 in (29 mm)                                                                                                                                                    |
| Net Weight                             | 0.06 lb(US) (0.027 kg)                                                                                                                                             |
| Device presentation                    | Monolithic product                                                                                                                                                 |

## Ordering and shipping details

|                       |                    |
|-----------------------|--------------------|
| Category              | 00028 - DATA PORTS |
| Discount Schedule     | CS2                |
| GTIN                  | 3606481205520      |
| Nbr. of units in pkg. | 1                  |
| Package weight(Lbs)   | 1.06 oz (30 g)     |
| Returnability         | No                 |
| Country of origin     | FR                 |

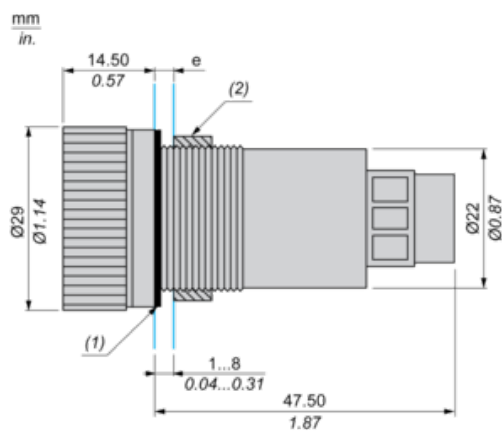
## Packing Units

|                              |                  |
|------------------------------|------------------|
| Unit Type of Package 1       | PCE              |
| Package 1 Height             | 1.26 in (3.2 cm) |
| Package 1 width              | 1.26 in (3.2 cm) |
| Package 1 Length             | 2.95 in (7.5 cm) |
| Unit Type of Package 2       | S01              |
| Number of Units in Package 2 | 24               |
| Package 2 Weight             | 32.31 oz (916 g) |
| Package 2 Height             | 5.91 in (15 cm)  |
| Package 2 width              | 5.91 in (15 cm)  |
| Package 2 Length             | 15.75 in (40 cm) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                  |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                      |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                                                                                         |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                    |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                                                                                                    |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                                                                                                 |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                                                                                          |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                                                                                                |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.                                                                                                                                                                                                                                           |

## Dimensions



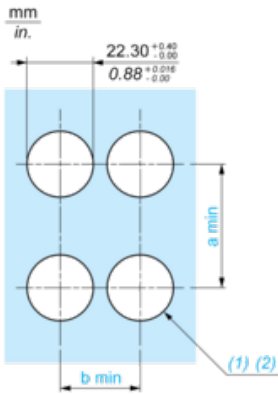
(e) Clamping thickness: 1 mm to 6 mm / 0.03 in. to 0.24 in.

(1) Sealing ring

(2) Screw

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

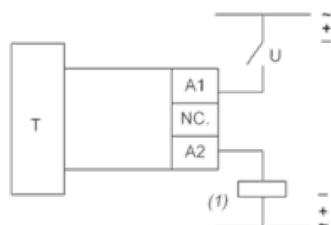
Connection by Screw Clamp Terminals or Plug-in Connectors



- (1) Diameter on finished panel or support
- (2) Ø22 mm recommended (Ø22.3 0+0.4) / Ø0.89 in. recommended (Ø0.88 in. 0<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     |

## Wiring Diagram



U : Supply (100...240 VAC/DC)

T : Timer

(1) Load

NC : No Connection

---

## 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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[XB5DTGM4](#)