

## XB5DTGM4

100...240 VAC/DC Panel mounted timer  
monofunction with 0.5 min..10 min delay



### Main

|                               |                  |
|-------------------------------|------------------|
| Range of product              | Harmony XB5      |
| Sale per indivisible quantity | 1                |
| Product or component type     | Monolithic timer |

### Complementary

|                                        |                                                                                                                |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Bezel material                         | Plastic                                                                                                        |
| Fixing collar material                 | Plastic                                                                                                        |
| Mounting diameter                      | 22 mm                                                                                                          |
| Thickness                              | 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 at 25 °C conforming to 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                           | <= 5 V                                                                                                         |
| Network type                           | AC                                                                                                             |
| Residual current                       | <= 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 mm <sup>2</sup> EN/IEC 60947-1<br>Screw terminals 1 x 2.5 mm <sup>2</sup> EN/IEC 60947-1 |
| IP degree of protection                | IP65 front IEC 60529<br>IP20 back 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 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                                                                                                |

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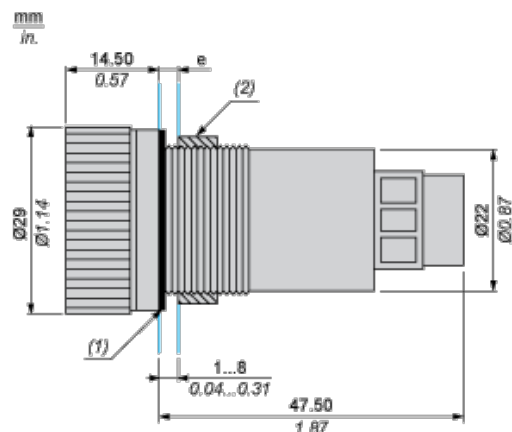
|                                      |                                                                                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
|                                      | 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 IEC 60068-2-27 6 shocks on each axis                                                                              |
| Resistance to fast transients        | 2 kV level 3 IEC 61000-4-4                                                                                                        |
| Electromagnetic compatibility        | Electromagnetic emission class B IEC 55011<br>Electrostatic discharge 6 kV level 3 IEC 61000-4-2                                  |
| Resistance to electromagnetic fields | 3 V/m 1.4...2 GHz level 3 IEC 61000-4-3<br>10 V/m 80 MHz...1 GHz level 3 IEC 61000-4-3<br>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                            | EN/IEC 61812-1<br>UL 508                                                                                                          |
| Product certifications               | CE<br>UL listed                                                                                                                   |
| Height                               | 62 mm                                                                                                                             |
| Diameter                             | 29 mm                                                                                                                             |
| Product weight                       | 0.027 kg                                                                                                                          |
| Compatibility code                   | XB5                                                                                                                               |

## Environment

## Offer Sustainability

|                          |                           |
|--------------------------|---------------------------|
| Sustainable offer status | Not Green Premium product |
|--------------------------|---------------------------|

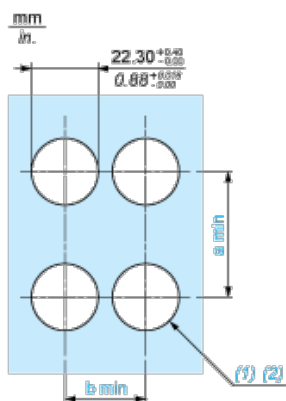
## Dimensions



- (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)

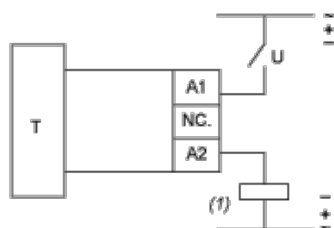
Connection by Screw Clamp Terminals or Plug-in Connectors



- (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



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- Timed output

A2)