



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	3...60 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	Reverse polarity protection Overvoltage protection
Pollution degree	3 conforming to IEC 60664-1
Output type	Open collector PNP
Temporary permissible current	10 A for 0.01 s
Minimum switching current	10 mA
Voltage drop in closed state	3 V
Nominal rating	200 mA at 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 for timing in progress LED, steady for 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 conforming to EN/IEC 60947-1 Screw terminals 1 x 2.5 mm ² conforming to EN/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 EN/IEC 61812-1
[Ui] rated insulation voltage	50 V conforming to EN 60947-1 50 V conforming to IEC 60664-1
[Uimp] rated impulse withstand voltage	4 kV conforming to EN 60947-1 4 kV conforming to IEC 60664-1
Surge withstand	1 kV, level 2 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 EN/IEC 61000-4-6
Disturbance radiated/conducted	Class B conforming to EN 50022
Standards	UL 508 EN/IEC 61812-1
Product certifications	UL listed CE
Device presentation	Monolithic product
Height	62 mm
Diameter	29 mm
Net weight	0.027 kg

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	24
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	911.0 g

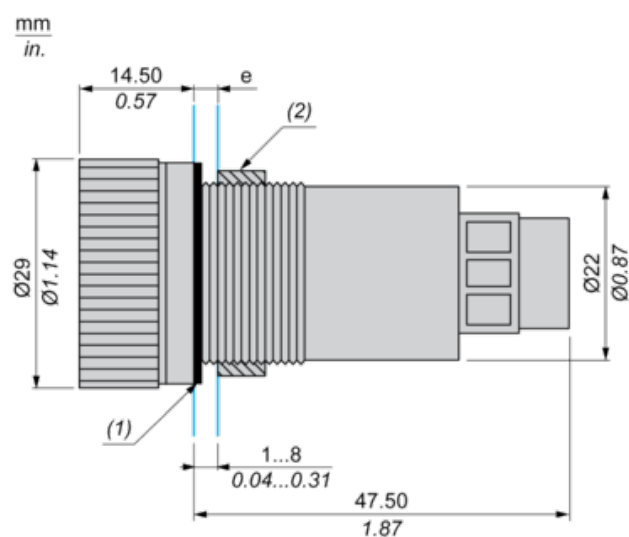
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 Monate
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Dimensions



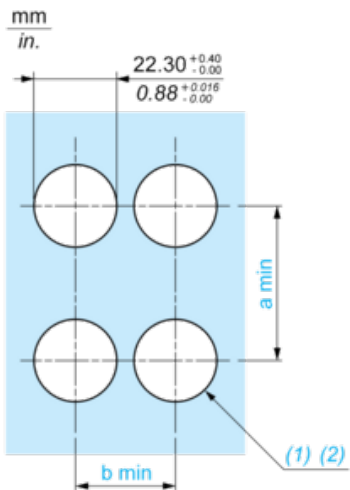
(e) Clamping thickness: 1 mm to 6 mm / 0.03 in. to 0.24 in.

(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

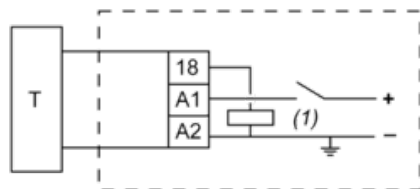


(1) Diameter on finished panel or support

(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