

Product datasheet

Specifications



Harmony XB5, Panel mounted timer monofunction, plastic, Ø22, time delay 0.5...10 s, 24 V DC

XB5DTB22

EAN Code: 3606481205469

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 Reverse polarity 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 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	50 V conforming to IEC 60947-1 50 V conforming to IEC 60664-1
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 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 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
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	2.600 cm
Package 1 Width	3.000 cm
Package 1 Length	7.400 cm
Package 1 Weight	28.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	72
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm

Package 2 Length	40.000 cm
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Package 2 Weight	2.339 kg
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Contractual warranty

Warranty	18 months
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Sustainability


Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Well-being performance

 Mercury Free

 Rohs Exemption Information [Yes](#)

Reach Regulation [REACH Declaration](#)

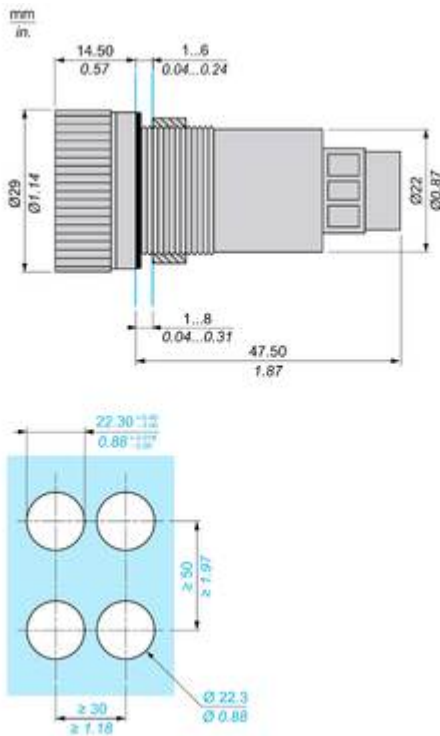
Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation [China RoHS declaration](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

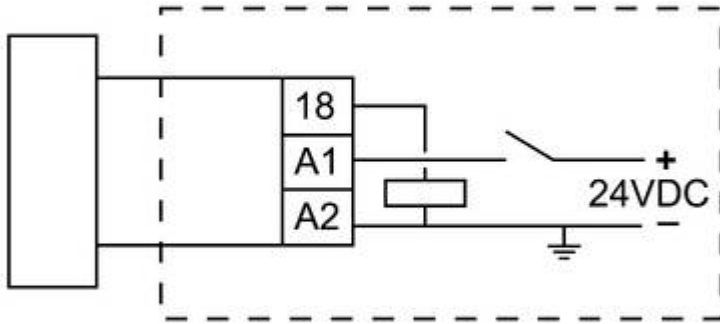
Technical Illustration

Dimensions



Technical Illustration

Wiring diagram



Offer Marketing Illustration

Product benefits / Features

Features Harmony XB5



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Quick and easy assembly and disassembly
- 

Excellent mechanical connection with operator head
- 

Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board
- 

Large set of accessories to customize your panels
- 

Robustness to withstand harsh environments

Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XB5

Conformity with IEC, UL, CSA, CCC EAC, and JIS standards, as well as CE marking and marine approvals

Up to IP66, 67, 69, 69K, and type 4X protection ratings

High vibration resistance with shake-proof terminal screws



Operating temperature from -40°C to 70°C

Shock protection level up to IK06

Secure switching of inductive or heavy DC loads directly – 100 000 operations at 10A, 24V dc

Image of product / Alternate images

Alternative



