Product datasheet

Specification





Illuminated push button, Harmony XB4, metal, red flush, 22mm, universal LED, plain lens, 1NO + 1NC, 24V AC DC

Local distributor code: 23706530 XB4BW34B5

Important message: Viktig information: en förändring i utseendet kan observeras på produkten, men detta påverkar inte dess användning i termer av funktion och säkerhet. Detta gör den kompatibel med våra Universal LED-block EAN Code: 3389110892055

Main

Range Of Product	Harmony XB4
Product Or Component Type	Illuminated push-button
Device Short Name	XB4
Bezel Material	Chromium plated metal
Fixing Collar Material	Zamak
Mounting Diameter	22.5 mm
Sale Per Indivisible Quantity	1
Head Type	Standard
Shape Of Signaling Unit Head	Round
Type Of Operator	spring return
Operator Profile	Red flush
Operator Additional Information	With plain lens
Contacts Type And Composition	1 NO + 1 NC
Contact Operation	Slow-break
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminals, 1 x 0.222 x 2.5 mm² without cable end conforming to IEC 60947-1
Light Source	Universal LED
Bulb Base	Integral LED
[Us] Rated Supply Voltage	24 V AC/DC at 50/60 Hz

Complementary

Height	47 mm
Width	30 mm
Depth	57 mm
Terminals Description Iso N°1	(13-14)NO (21-22)NC
Net Weight	0.097 kg
Resistance To High Pressure Washer	7000000 Pa at 55 °C, distance : 0.1 m
Contacts Usage	Standard contacts

Positive Opening	With conforming to IEC 60947-5-1 appendix K
Operating Travel	1.5 mm (NC changing electrical state) 2.6 mm (NO changing electrical state) 4.3 mm (total travel)
Operating Force	3.5 N NC changing electrical state 3.8 N
Mechanical Durability	10000000 cycles
Tightening Torque	0.81.2 N.m conforming to IEC 60947-1
Shape Of Screw Head	Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver
Contacts Material	Silver alloy (Ag/Ni)
Short-Circuit Protection	10 A cartridge fuse type gG conforming to IEC 60947-5-1
[Ith] Conventional Free Air Thermal Current	10 A conforming to IEC 60947-5-1
[Ui] Rated Insulation Voltage	600 V (pollution degree 3) conforming to IEC 60947-1
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947-1
[le] Rated Operational Current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1
Electrical Durability	1000000 cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Electrical Reliability	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4
Signalling Type	Steady
Current Consumption	18 mA
Service Life	100000 h at rated voltage and 25 °C
Surge Withstand	1 kV conforming to IEC 61000-4-5
Supply Voltage Limits	19.230 V DC 21.626.4 V AC
Device Presentation	Complete product
Environment	
Protective Treatment	TH
Ambient Air Temperature For Storage	-4070 °C
Ambient Air Temperature For Operation	-4070 °C
Electrical Shock Protection Class	Class I conforming to IEC 60536
Ip Degree Of Protection	IP66 conforming to IEC 60529 IP67 IP69

IP69K

Nema Degree Of Protection	NEMA 13 NEMA 4X
Ik Degree Of Protection	IK06 conforming to IEC 50102
Standards	IEC 60947-5-5 UL 508 IEC 60947-5-1 CSA C22.2 No 14 IEC 60947-1 IEC 60947-5-4 JIS C8201-5-1 JIS C8201-1
Product Certifications	BV UL listed DNV CSA LROS (Lloyds register of shipping) GL
Vibration Resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6
Shock Resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27
Resistance To Fast Transients	2 kV conforming to IEC 61000-4-4
Resistance To Electromagnetic Fields	10 V/m conforming to IEC 61000-4-3
Resistance To Electrostatic Discharge	6 kV on contact (on metal parts) conforming to IEC 61000-4-2 8 kV in free air (in insulating parts) conforming to IEC 61000-4-2
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Packing Units Unit Type Of Package 1	PCF
Unit Type Of Package 1 Number Of Units In Package 1	PCE 1
Unit Type Of Package 1	
Unit Type Of Package 1 Number Of Units In Package 1	1
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height	1 3.500 cm
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height Package 1 Width	1 3.500 cm 5.500 cm
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height Package 1 Width Package 1 Length	1 3.500 cm 5.500 cm 9.000 cm
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight	1 3.500 cm 5.500 cm 9.000 cm
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type Of Package 2	1 3.500 cm 5.500 cm 9.000 cm 96.300 g
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type Of Package 2 Number Of Units In Package 2	1 3.500 cm 5.500 cm 9.000 cm 96.300 g S03
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type Of Package 2 Number Of Units In Package 2 Package 2 Height	1 3.500 cm 5.500 cm 9.000 cm 96.300 g S03 150 30.000 cm
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type Of Package 2 Number Of Units In Package 2 Package 2 Height Package 2 Width	1 3.500 cm 5.500 cm 9.000 cm 96.300 g S03 150 30.000 cm
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type Of Package 2 Number Of Units In Package 2 Package 2 Height Package 2 Width Package 2 Length	1 3.500 cm 5.500 cm 9.000 cm 96.300 g S03 150 30.000 cm 30.000 cm
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height Package 1 Width Package 1 Weight Unit Type Of Package 2 Number Of Units In Package 2 Package 2 Height Package 2 Width Package 2 Length Package 2 Weight	1 3.500 cm 5.500 cm 9.000 cm 96.300 g S03 150 30.000 cm 40.000 cm 14.867 kg
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type Of Package 2 Number Of Units In Package 2 Package 2 Height Package 2 Width Package 2 Weight Unit Type Of Package 3	1 3.500 cm 5.500 cm 9.000 cm 96.300 g S03 150 30.000 cm 40.000 cm 14.867 kg P06
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type Of Package 2 Package 2 Height Package 2 Width Package 2 Width Package 2 Width Package 2 Units In Package 3 Number Of Units In Package 3	1 3.500 cm 5.500 cm 9.000 cm 96.300 g S03 150 30.000 cm 40.000 cm 14.867 kg P06
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type Of Package 2 Number Of Units In Package 2 Package 2 Height Package 2 Width Package 2 Length Package 2 Weight Unit Type Of Package 3 Number Of Units In Package 3 Package 3 Height	1 3.500 cm 5.500 cm 9.000 cm 96.300 g S03 150 30.000 cm 40.000 cm 14.867 kg P06 1200 75.000 cm

Contractual warranty

Warranty

18 months



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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



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Rohs Exemption Information

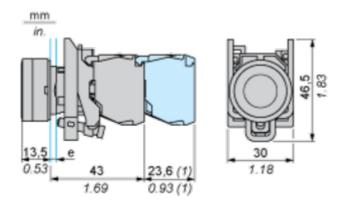
Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

Dimensions Drawings

Dimensions



 \boldsymbol{e} : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in. (1) Additional row of contacts or double contact

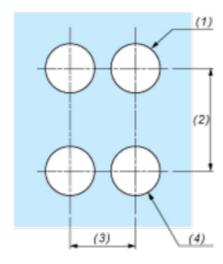
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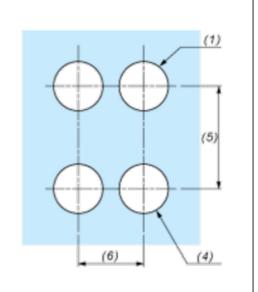
Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board

Connection by Faston Connectors





- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.