

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

XB4BW36B5

Important message: A change in appearance may be noted on the product but does not affect its use in terms of function and safety. This makes it compatible with our Universal LED blocks

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 mm
Sale per indivisible quantity	1
Head type	Standard
Shape of signaling unit head	Round
Type of operator	spring return
Operator profile	Blue 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 EN/IEC 60947-1 Screw clamp terminals, 1 x 0.222 x 2.5 mm² without cable end conforming to EN/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	101 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

60947-5-1 appendix C			
Dersiting triver 1.5 mm (MC changing electrical state) 2.5 mm (MC changing electrical state) 2.5 mm (MC changing electrical state) 3.5 mm (Sat Irong) electrical state 3.5 mm (Sat Irong) electrical electri	Contacts usage	Standard contacts	
2.8 mm (NC changing electrical state) 4.3 mm (biol turbout) 3.5 N NC changing electrical state) 3.5 N NC changing electrical state 3.5 N NC changing electrical state 3.8 N Mochanical durability 10000000 oydes Tightening torque 0.81.2 N.m conforming to EN 60947-1 Change of screw head Cross compatible with Philips on 1 screwdriver Stotad compatible with pondriv No.1 or screwdriver Stotad compatible with pondriv No.1 or screwdriver Stotad compatible with pondriv No.1 or manufacturer Contacts material Silver allay (ApN) Short-circuit protection 10 A cartridge hase type gis conforming to ENIEC 60947-5-1 [IIIth) conventional free air thermal current (IUI) rated insulation voltage 600 V (pollution degree 3) conforming to ENIEC 60947-1 (IUI) prated insulation voltage 700 V (pollution degree 3) conforming to ENIEC 60947-1 (IVI) prated insulation voltage 700 V (pollution degree 3) conforming to ENIEC 60947-1 (IVI) prated insulation voltage 81 A at 240 V, AC-15, A000 conforming to ENIEC 60947-1 (IVI) prated insulation voltage 81 A at 240 V, AC-15, A000 conforming to ENIEC 60947-1 (IVI) prated insulation voltage 81 A at 240 V, AC-15, A000 conforming to ENIEC 60947-1 (IVI) prated insulation voltage 81 A at 240 V, AC-15, A000 conforming to ENIEC 60947-1 (IVI) prated insulation voltage 81 A at 240 V, AC-15, A000 conforming to ENIEC 60947-1 (IVI) prated insulation voltage 81 A at 240 V, AC-15, A000 conforming to ENIEC 60947-1 (IVI) prated insulation voltage 81 A at 240 V, AC-15, A000 conforming to ENIEC 60947-1 1 A at 300 V, AC-15, A000 conforming to ENIEC 60947-1 1 A at 300 V, AC-15, A000 conforming to ENIEC 60947-1 1 A at 300 V, AC-15, A000 conforming to ENIEC 60947-1 1 A at 300 V, AC-15, A000 V, AC-15, A000 conforming to ENIEC 60947-1 1 A at 300 V, AC-15, A000 V, AC-15, A000 conforming to ENIEC 60947-1 1 A at 300 V, AC-15, A000 V, AC-15, A000 Conforming to ENIEC 60947-1 1 A at 300 V, AC-15, A000 V	Positive opening	With conforming to EN/IEC 60947-5-1 appendix K	
S.3.N	Operating travel	2.6 mm (NO changing electrical state)	
Tightening torque 0.81.2 N.m conforming to EN 60947-1 Shape of screw head Cross compatible with Philips no 1 screwdriver Cross compatible with practice No. 1 screwdriver Cross compatible with practice No. 1 screwdriver Cross compatible with first 0.5.5 mm screwdriver Contacts material Silver alloy (AgrNo) Short-circuit protection 10. A cartridge first type gG conforming to ENIEC 60947-5-1 (Ith) conventional fire air thermal current (Uimp) rated impulse withstand voltage (Ite) rated operational current 3. A 42 20. V.AC-15, A800 conforming to ENIEC 60947-1 6. A 41 200 V.AC-15, A800 conforming to ENIEC 60947-5-1 6. A 41 200 V.AC-15, A800 conforming to ENIEC 60947-5-1 6. A 41 200 V.AC-15, A800 conforming to ENIEC 60947-5-1 7. A 4 250 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 41 200 V.AC-15, A800 conforming to ENIEC 60947-5-1 8. A 41 200 V.AC-15, A800 conforming to ENIEC 60947-5-1 8. A 41 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 41 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 41 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 41 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 41 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 41 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 41 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 4 1 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 4 1 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 1 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 1 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 1 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 1 200 V.D-13, 0800 conforming to ENIEC 60947-5-1 8. A 1 200 V.D-13, 0800 conforming to E	Operating force		
Shape of screw head Cross compatible with Philips no 1 screwdriver Cross compatible with project of Schelder Compatible with Fall plan and screwdriver Schelder Compatible with fall 0.4 sm screwdriver Schelder Compatible with fall 0.5 sm screwdriver Schelder Compatible with fall 0.5 sm screwdriver Ithin conventional free air thermal current 10 A conforming to ENIEC 60947-5-1 (Uijn Jarded insulation voltage (Uimp) rated impulse withstand voltage (Uimp) rated impulse withstand voltage (Iie) rated operational current 3 A at 240 V. AC-15, A800 conforming to ENIEC 60947-5-1 5 A at 250 V. AC-15, A800 conforming to ENIEC 60947-5-1 5 A at 250 V. AC-15, A800 conforming to ENIEC 60947-5-1 5 A at 250 V. DC-13, 0500 conforming to ENIEC 60947-5-1 5 A at 250 V. DC-13, 0500 conforming to ENIEC 60947-5-1 5 A at 250 V. DC-13, 0500 conforming to ENIEC 60947-5-1 10 00000 cycles, DC-13, 0500 conforming to ENIEC 60947-5-1 10 00000 cycles, DC-13, 0500 conforming to ENIEC 60947-5-1 10 00000 cycles, DC-13, 0500 conforming to ENIEC 60947-5-1 10 00000 cycles, DC-13, 0500 conforming to ENIEC 60947-5-1 10 00000 cycles, DC-13, 05 A at 24 V. operating rate <3600 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 10 00000 cycles, DC-13, 0.5 A at 24 V. operating rate <3600 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 10 00000 cycles, DC-13, 0.5 A at 24 V. operating rate <3600 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 10 00000 cycles, DC-13, 0.5 A at 24 V. operating rate <3600 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 10 00000 cycles, DC-13, 0.5 A at 24 V. operating rate <3600 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 10 00000 cycles, DC-13, 0.5 A at 24 V. operating rate <3600 cych, l	Mechanical durability	10000000 cycles	
Cross compatible with 16 2 A ms scewinfore Slotted compatible with 16 2 S. mm screwinfore Slotted compatible with 16 2 S. mm screwinforer Slotted compatible with 16 S. mm screwinforer Slotted compatible with 16 S. mm screwinforer Slotted Compatible with 16 September 2 S	Tightening torque	0.81.2 N.m conforming to EN 60947-1	
Short-circuit protection	Shape of screw head	Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver	
[Ith] conventional free air thermal current [Ui] rated insulation voitage	Contacts material	Silver alloy (Ag/Ni)	
[Uii] rated insulation voltage	Short-circuit protection	10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1	
Clump rated impulse withstand voltage	• -	10 A conforming to EN/IEC 60947-5-1	
The content of the	[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to EN/IEC 60947-1	
6 A at 120 V, AC-15, AB00 conforming to ENVIEC 60947-5-1 0.1 A at 250 V, DC-13, Q600 conforming to ENVIEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to ENVIEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 600 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, A 800 conforming to ENVIEC 60947-5-1 1.2 A at 600 V, AC-15, AC-1		6 kV conforming to EN/IEC 60947-1	
60947-5-1 appendix C	[le] rated operational current	6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1	
A < 10exp(-8) at 17 V and 5 mA in clean environment conforming to EN/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 Ambient air temperature for operation Electrical shock protection Class I conforming to IEC 60536 IP degree of protection IP66 conforming to IEC 60529 IP67 IP69 IP69K NEMA degree of protection NEMA 13	Electrical durability	1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/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 EN/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 EN/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 EN/	
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 Ambient air temperature for operation Electrical shock protection Class I conforming to IEC 60536 Class I conforming to IEC 60529 IP67 IP68 IP69 IP69 IP69K NEMA degree of protection NEMA 13	Electrical reliability		
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 Class I conforming to IEC 60536 Electrical shock protection Class I conforming to IEC 60529 IP67 IP69 IP69K NEMA degree of protection NEMA 13	Signalling type	Steady	
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 Ambient air temperature for operation Electrical shock protection Class I conforming to IEC 60536 Class IP degree of protection IP66 conforming to IEC 60529 IP69 IP69 IP69 IP69K NEMA degree of protection NEMA 13	Current consumption	18 mA	
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 Ambient air temperature for operation Electrical shock protection class IP degree of protection IP66 conforming to IEC 60529 IP67 IP69 IP69K NEMA degree of protection NEMA 13	Service life	100000 h at rated voltage and 25 °C	
Device presentation Complete product Environment Protective treatment TH Ambient air temperature for storage Ambient air temperature for operation Electrical shock protection class IP degree of protection IP66 conforming to IEC 60529 IP67 IP69 IP69 IP69K NEMA degree of protection NEMA 13	Surge withstand	1 kV conforming to IEC 61000-4-5	
Environment Protective treatment TH Ambient air temperature for storage Ambient air temperature for operation Electrical shock protection class IP degree of protection IP66 conforming to IEC 60529 IP67 IP69 IP69 IP69K NEMA degree of protection NEMA 13	Supply voltage limits		
Protective treatment TH Ambient air temperature for storage Ambient air temperature for operation Electrical shock protection class IP degree of protection IP66 conforming to IEC 60529 IP69 IP69 IP69 IP69 IP69K NEMA degree of protection NEMA 13	Device presentation	Complete product	
Ambient air temperature for storage Ambient air temperature for operation Electrical shock protection class IP degree of protection IP66 conforming to IEC 60529 IP67 IP69 IP69 IP69K NEMA degree of protection NEMA 13	Environment		
Ambient air temperature for operation Electrical shock protection class IP degree of protection IP66 conforming to IEC 60529 IP67 IP69 IP69 IP69K NEMA degree of protection NEMA 13	Protective treatment	TH	
Description Electrical shock protection class IP degree of protection IP66 conforming to IEC 60529 IP67 IP69 IP69 IP69K NEMA degree of protection NEMA 13		-4070 °C	
IP degree of protection IP66 conforming to IEC 60529 IP67 IP69 IP69K NEMA degree of protection NEMA 13	•	-4070 °C	
IP67 IP69 IP69K NEMA degree of protection NEMA 13		Class I conforming to IEC 60536	
	IP degree of protection	IP67 IP69	
	NEMA degree of protection		

IK degree of protection	IK06 conforming to IEC 50102	
Standards	EN/IEC 60947-5-5 EN/IEC 60947-1 JIS C8201-5-1 EN/IEC 60947-5-4 UL 508 CSA C22.2 No 14 EN/IEC 60947-5-1 JIS C8201-1	
Product certifications	DNV LROS (Lloyds register of shipping) GL BV UL listed CSA	
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	
Electromagnetic emission	Class B conforming to IEC 55011	
Packing Units		
Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	3.5 cm	
Package 1 Width	5.5 cm	
Package 1 Length	8.5 cm	
Package 1 Weight	96.6 g	
Unit Type of Package 2	S03	
Number of Units in Package 2	100	
Package 2 Height	30.0 cm	
Package 2 Width	30.0 cm	
Package 2 Length	40.0 cm	
Package 2 Weight	10.086 kg	
Unit Type of Package 3	P06	
Number of Units in Package 3	800	
Package 3 Height	75.0 cm	
Package 3 Width	80.0 cm	
Package 3 Length	60.0 cm	
Package 3 Weight	88.688 kg	
Offer Sustainability		
Sustainable offer status	Green Premium product	
REACh Regulation	REACh Declaration	
REACh free of SVHC	Yes	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration	
Moroury froe	Vas	

Yes

Mercury free

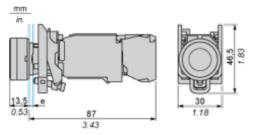
China RoHS Regulation	China RoHS declaration	
RoHS exemption information	Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	End of Life Information	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov	
Contractual warranty		
Warranty	18 months	

Product data sheet

XB4BW36B5

Dimensions Drawings

Dimensions



e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

Product data sheet

XB4BW36B5

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

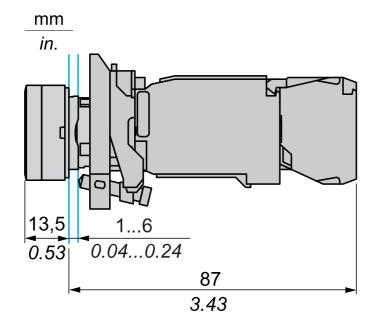
Connection by Faston Connectors

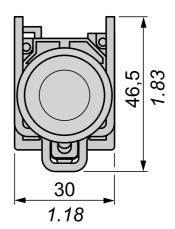
Connection by Faston Connectors

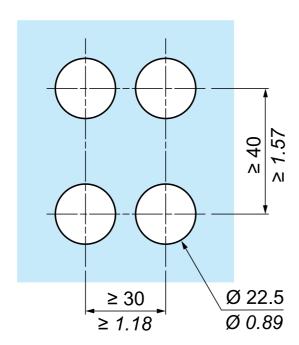
- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- **(4)** Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

Technical Illustration

Dimensions







Recommended replacement(s)