

Product data sheet

Specifications



green flush/red projecting
illuminated double-headed
pushbutton Ø22 1NO+1NC 24V

XB4BL945

! Discontinued on: 19 December 2019

! Discontinued

Main

Range of product	Harmony XB4
Product or component type	Complete double-headed push-button
Device short name	XB4
Bezel material	Chromium plated metal
Fixing collar material	Zamak
Mounting diameter	22 mm
Shape of signaling unit head	Rectangular
Type of operator	spring return
Operator profile	1 flush - 1 projecting push-buttons
Operators description	Green "I" - red "O"
Contacts type and composition	1 NO + 1 NC
Contact operation	Slow-break
Connections - terminals	Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN/IEC 60947-1

Complementary

Height	47 mm
Width	30 mm
Depth	57 mm
Terminals description ISO n°1	(13-14)NO (21-22)NC
Net weight	0.111 kg
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m
Colour of marking	Black marking when white caps White marking when green, red or black caps
Operator profile	Green flush, I (white) Red projecting, O (white)
Contacts usage	Standard contacts
Positive opening	With conforming to EN/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 NO changing electrical state
Mechanical durability	1000000 cycles
Tightening torque	0.8...1.2 N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver 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 EN/IEC 60947-5-1
[Ith] conventional free air thermal current	10 A conforming to EN/IEC 60947-5-1
[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to EN 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN 60947-1
[Ie] rated operational current	3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1 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 1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1
Electrical durability	1000000 cycles AC-15, 2 A at 230 V, operating rate <3600 cyc/mn, load factor: 0.5 conforming to EN/IEC 60947-5-1: appendix C 1000000 cycles AC-15, 3 A at 120 V, operating rate <3600 cyc/mn, 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/mn, 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/mn, 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/mn, load factor: 0.5 conforming to EN/IEC 60947-5-1: appendix C
Electrical reliability	$\Lambda < 10\exp(-6)$ at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\exp(-8)$ at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4
Environment	
Protective treatment	TH
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-40...70 °C
Electrical shock protection class	Class I conforming to IEC 60536
IP degree of protection	IP67 conforming to IEC 60529 IP69 IP69K
NEMA degree of protection	NEMA 13 NEMA 4X
IK degree of protection	IK06 conforming to IEC 50102
Standards	CSA C22.2 No 14 EN/IEC 60947-5-1 UL 508 EN/IEC 60947-5-5 EN/IEC 60947-5-4 JIS C8201-5-1 EN/IEC 60947-1 JIS C8201-1
Product certifications	UL listed GL BV LROS (Lloyds register of shipping) DNV CSA
Vibration resistance	5 gn (f= 2...500 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
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Packing Units

Package 1 Weight	0.111 kg
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Package 1 Height	0.880 dm
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Package 1 width	0.340 dm
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Package 1 Length	0.540 dm
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Contractual warranty

Warranty	18 months
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Recommended replacement(s)

XB4BL945 is replaced by the following product range:



Harmony XB4
Ø 22 mm modular metal pushbuttons, switches, and pilot lights
Products: 1729