

# Product data sheet

Specifications



Harmony XB4, Key switch selector, metal, black, Ø22, key n°455, 2 positions, stay put, 1 NO

XB4BG21

## Main

Range of product	Harmony XB4
Product or component type	Selector switch
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	stay put
Operator profile	key switch
Operator position information	2 positions 90°
Contacts type and composition	1 NO
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	86 mm
Terminals description ISO n°1	(13-14)NO
Net weight	0.117 kg
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m
Type of keylock	Ronis 455
Key withdrawal position	Left-hand
Contacts usage	Standard contacts
Positive opening	Without
Torque value	0.14 N.m NO changing electrical state

<b>Mechanical durability</b>	1000000 cycles
<b>Tightening torque</b>	0.8...1.2 N.m conforming to EN 60947-1
<b>Shape of screw head</b>	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
<b>Contacts material</b>	Silver alloy (Ag/Ni)
<b>Short-circuit protection</b>	10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1
<b>[I<sub>th</sub>] conventional free air thermal current</b>	10 A conforming to EN/IEC 60947-5-1
<b>[U<sub>i</sub>] rated insulation voltage</b>	600 V (pollution degree 3) conforming to EN 60947-1
<b>[U<sub>imp</sub>] rated impulse withstand voltage</b>	6 kV conforming to EN 60947-1
<b>[I<sub>e</sub>] rated operational current</b>	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
<b>Electrical durability</b>	1000000 cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 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 EN 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 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 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 60947-5-1 appendix C
<b>Electrical reliability</b>	$\Lambda < 10\text{exp}(-6)$ at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4
<b>Device presentation</b>	Complete product

## Environment

<b>Protective treatment</b>	TH
<b>Ambient air temperature for storage</b>	-40...70 °C
<b>Ambient air temperature for operation</b>	-40...70 °C
<b>Overvoltage category</b>	Class I conforming to IEC 60536
<b>IP degree of protection</b>	IP66 conforming to IEC 60529 IP69 IP69K IP67
<b>NEMA degree of protection</b>	NEMA 13 NEMA 4X
<b>IK degree of protection</b>	IK06 with keyhole cover ZBGP conforming to IEC 50102
<b>Standards</b>	JIS C8201-5-1 EN/IEC 60947-5-5 EN/IEC 60947-1 UL 508 EN/IEC 60947-5-4 CSA C22.2 No 14 EN/IEC 60947-5-1 JIS C8201-1
<b>Product certifications</b>	UL BV DNV CSA GL LROS (Lloyds register of shipping)
<b>Vibration resistance</b>	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	151 g
Package 1 Height	8.6 cm
Package 1 width	5.2 cm
Package 1 Length	3.3 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Weight	755 g
Package 2 Height	8.6 cm
Package 2 width	26.5 cm
Package 2 Length	3.3 cm
Unit Type of Package 3	S02
Number of Units in Package 3	50
Package 3 Weight	7.894 kg
Package 3 Height	15 cm
Package 3 width	30 cm
Package 3 Length	40 cm

## Offer Sustainability

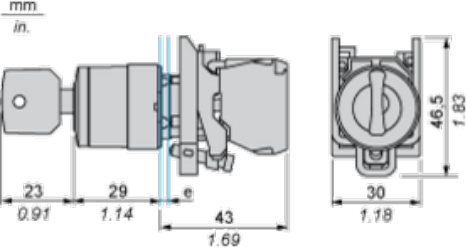
Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
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: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

Warranty	18 months
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**Dimensions**

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

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