

Product data sheet Characteristics

XB4BD912R100K

head Ø22 + mounting base + potentiometer 100K





Main

Main	
Range of product	Harmony XB4
Product or component type	Potentiometer
Device short name	XB4
Head type	Standard
Device presentation	Complete product

Complementary

Bezel material	Chromium plated metal			
Mounting diameter	22 mm			
Product compatibility	Ø 6 mm shaft			
Sale per indivisible quantity	1			
CAD overall width	30 mm			
CAD overall height	47 mm			
CAD overall depth	82 mm			
Net weight	0.095 kg			
Protective treatment	ТН			
Ambient air temperature for storage	-4070 °C			
Ambient air temperature for operation	-4070 °C			
Electrical shock protection class	Class II conforming to IEC 60536			
IP degree of protection	IP66 conforming to IEC 60529 IP69 conforming to IEC 60529 IP69K conforming to IEC 60529			
NEMA degree of protection	NEMA 13 NEMA 4X			
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m			
IK degree of protection	IK06 conforming to IEC 50102			
Standards	UL 508 CSA C22.2 No 14 EN/IEC 60947-1			
Product certifications	UL listed CSA BV			
Shape of signaling unit head	Round			
Operator profile	Knurled knob, with (white)			
[Us] rated supply voltage	<= 30 V AC <= 42 V DC			
Rated power in W	1 W at 70 °C			
Precision of internal conversion resistor	+-10%			
Potentiometer characteristic	Linear			
Mechanical durability	50000 cycles			
Ohmic value	100000 Ohm			

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.

This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.

It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Material	Cermet		
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		
Main group	Potentiometer		
Group of product	Potentiometer knurled knob		
Colour of marking	White		

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	106 g
Package 1 Height	5.5 cm
Package 1 width	9.1 cm
Package 1 Length	4.5 cm
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Weight	4.563 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

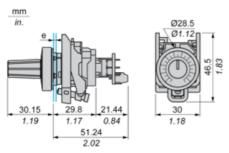
Offer Sustainability

Sustainable offer status	Green Premium product			
REACh Regulation	REACh Declaration			
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration			
Mercury free	Yes			
RoHS exemption information	₫Yes			
China RoHS Regulation	☐ China RoHS Declaration			
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			

Product data sheet Dimensions Drawings

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Dimensions

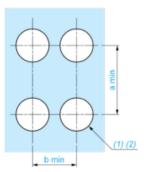


e: Panel thickness: 1 mm to 6 mm / 0.03 in. to 0.24 in

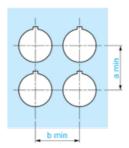
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Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Terminals or Plug-in Connectors

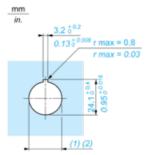


Connection by Faston Connectors



Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	30	1.18
By Faston connectors	45	1.77	32	1.26

Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) Ø22.5 mm recommended (Ø22.3 $_0$ $^{+0.4})$ / Ø0.89 in. recommended (Ø0.88 in. $_0$ $^{+0.016}$)