Product data sheet

Specifications

Complete potentiometer, Harmony XB4, metal, 22mm, 4K7

XB4BD912R4K7

Product availability: Stock - Normally stocked in distribution facility

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	0.9 in (22.5 mm)
Product Compatibility	Ø 6 mm shaft
Sale per indivisible quantity	1
CAD overall width	1.2 in (30 mm)
CAD overall height	1.9 in (47 mm)
CAD overall depth	3.2 in (82 mm)
Net Weight	0.209 lb(US) (0.095 kg)
Protective treatment	TH
Ambient Air Temperature for Storage	-40…158 °F (-40…70 °C)
Ambient Air Temperature for Operation	-40…158 °F (-40…70 °C)
Electrical shock protection class	Class II conforming to IEC 60536
IP degree of protection	IP66 IEC 60529 IP69 IEC 60529 IP69K IEC 60529
NEMA degree of protection	NEMA 13 NEMA 4X
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m
IK degree of protection	IK06 conforming to IEC 50102
Standards	CSA C22.2 No 14 IEC 60947-1 UL 508
Product Certifications	CSA UL Listed BV
Shape of signaling unit head	Round
Operator profile	knurled knob, with white)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

[Us] rated supply voltage	<= 30 V AC <= 42 V DC
Rated power in W	1 W 158 °F (70 °C)
Precision of internal conversion resistor	+-10%
Potentiometer characteristic	Linear
Mechanical durability	50000 cycles
Ohmic value	4700 Ohm
Material	Cermet
Vibration resistance	5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27
Main group	Potentiometer
Group of product	Potentiometer knurled knob
Colour of marking	White

Ordering and shipping details

Category	US10CS222468
Discount Schedule	0CS2
GTIN	3606480985003
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.09 in (5.3 cm)
Package 1 Width	1.73 in (4.4 cm)
Package 1 Length	3.43 in (8.7 cm)
Package 1 Weight	3.7 oz (104 g)
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	9.872 lb(US) (4.478 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	320
Package 3 Height	17.72 in (45 cm)
Package 3 Width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)
Package 3 Weight	98.847 lb(US) (44.836 kg)

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained ⟩

How we assess product sustainability ⟩

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	**2**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

|	
Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
SCIP Number	**13916f2d-387f-438e-8539-c58c2239cc27**
REACh Regulation	**REACh Declaration**
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 www.P65Warnings.ca.gov**

Use Again
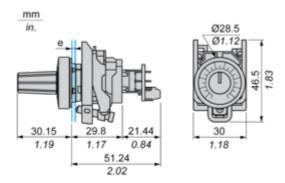
Repack and remanufacture

Circularity Profile	**End of Life Information**
Take-back	**No**
WEEE	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

Dimensions Drawings

Dimensions

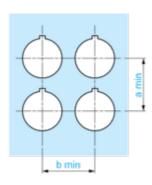**e:** Panel thickness: 1 mm to 6 mm / 0.03 in. to 0.24 in
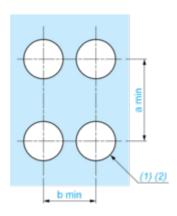
Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)
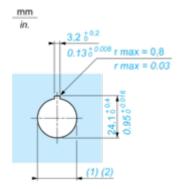
Connection by Screw Terminals or Plug-in Connectors

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

$\frac{mm}{in.}$

$3.2 \ {}^{+0.2}_{0}$
$0.13 \ {}^{+0.008}_{0}$ r max = 0.8
r max = 0.03
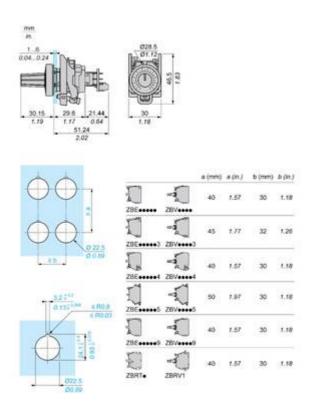
$24.1 \ {}^{+0.4}_{0}$
$0.95 \ {}^{+0.016}_{0}$

(1) (2)

(1) Diameter on finished panel or support

(2) Ø22.5 mm recommended (Ø22.3 ${}^{+0.4}_{0}$) / Ø0.89 in. recommended (Ø0.88 in. ${}^{+0.016}_{0}$)

Technical Illustration

Dimensions

		a (mm)	a (in.)	b (mm)	b (in.)
ZBE●●●●●	ZBV●●●●	40	1.57	30	1.18
ZBE●●●●●3	ZBV●●●●3	45	1.77	32	1.26
ZBE●●●●●4	ZBV●●●●4	40	1.57	30	1.18
ZBE●●●●●5	ZBV●●●●5	50	1.97	30	1.18
ZBE●●●●●9	ZBV●●●●9	40	1.57	30	1.18
ZBRT●	ZBRV1	40	1.57	30	1.18

Offer Marketing Illustration

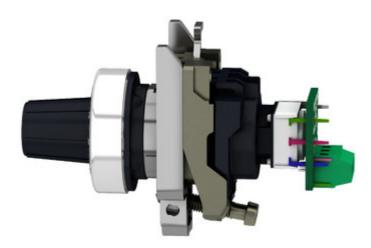## Product benefits / Features

Offer Marketing Illustration

Product benefits / Features

Image of product / Alternate images

Alternative