Product data sheet
Characteristics

XB5AD912R470K
Harmony XB5, Complete potentiometer, plastic, Ø22, 470K



Main

Range of product	Harmony XB5
Product or component type	Potentiometer
Device short name	XB5
Head type	Standard
Device presentation	Complete product

Complementary

Bezel material	Dark grey plastic
Mounting diameter	22 mm
Product compatibility	Ø 6 mm shaft
Sale per indivisible quantity	1
CAD overall width	30 mm
CAD overall height	42 mm
CAD overall depth	82 mm
Net weight	0.048 kg
Protective treatment	TH
Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-40…70 °C
Electrical shock protection class	Class II conforming to IEC 60536
IP degree of protection	IP66 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	IK03 conforming to IEC 50102
Standards	CSA C22.2 No 14 UL 508 EN/IEC 60947-1
Product certifications	CSA UL listed 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	0.26 W at 70 °C
Precision of internal conversion resistor	+-10%
Potentiometer characteristic	Linear
Mechanical durability	50000 cycles
Ohmic value	470000 Ohm
Material	Cermet

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.
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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
Main group	Potentiometer
Group of product	Potentiometer knurled knob
Colour of marking	White

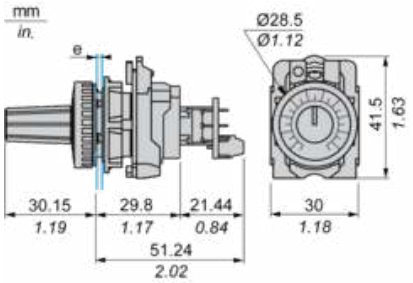
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	58 g
Package 1 Height	4.3 cm
Package 1 width	5.3 cm
Package 1 Length	8.8 cm
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Weight	2.699 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
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

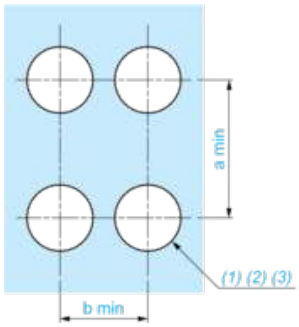
Dimensions



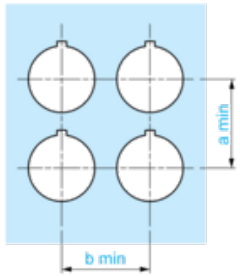
e: Panel thickness: 1 mm to 6 mm / 0.03 in. to 0.24 in.

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

Connection by Screw Terminals or Plug-in Connectors

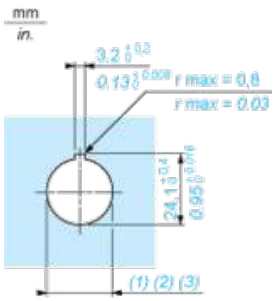


Connection by Faston Connectors



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) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.

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