

# Product data sheet

Specifications



red Ø40 yellow plastic bezel  
Emergency stop, switching off Ø22  
trigger latching turn release  
1NO+1NC

XB5AS8445

## Main

Range Of Product	Harmony XB5
Product Or Component Type	Emergency stop push-button Emergency switching off push-button
Device Short Name	XB5
Bezel Material	Dark grey plastic
Fixing Collar Material	Plastic
Head Type	Standard
Mounting Diamete	22.5 mm
Sale Per Indivisible Quantity	1
Shape Of Signaling Unit Head	Round
Type Of Operator	trigger action and mechanical latching
Reset	Turn to release
Operator Profile	Red mushroom Ø 40 mm, unmarked
Contact Operation	Slow-break
Connections - Terminals	Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to IEC 60947-1 Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to IEC 60947-1
Device Presentation	Complete product

## Complementary

Height	43 mm
Width	40 mm
Depth	82 mm
Terminals Description Iso N°1	(11-12)NC (13-14)NO
Net Weight	0.072 kg
Resistance To High Pressure Washer	7000000 Pa at 55 °C, distance : 0.1 m
Contacts Usage	Standard contacts
Positive Opening	With conforming to IEC 60947-5-1 appendix K
Operating Travel	1.5 mm (NC changing electrical state) 4.3 mm (total travel)
Mechanical Durability	300000 cycles
Tightening Torque	0.8...1.2 N.m conforming to IEC 60947-1

List Price displayed is VAT EXCLUSIVE.

<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 IEC 60947-5-1
<b>[Ith] Conventional Free Air Thermal Current</b>	10 A conforming to IEC 60947-5-1
<b>[Ui] Rated Insulation Voltage</b>	600 V (pollution degree 3) conforming to IEC 60947-1
<b>[Uimp] Rated Impulse Withstand Voltage</b>	6 kV conforming to IEC 60947-1
<b>[Ie] Rated Operational Current</b>	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to 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 IEC 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 IEC 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 IEC 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 IEC 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 IEC 60947-5-1 appendix C
<b>Electrical Reliability</b>	$\Lambda < 10\text{exp}(-6)$ at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4

## 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 II conforming to IEC 60536
<b>Ip Degree Of Protection</b>	IP66 conforming to IEC 60529 IP67 IP69 IP69K
<b>Nema Degree Of Protection</b>	NEMA 13 NEMA 4X
<b>Ik Degree Of Protection</b>	IK03 conforming to IEC 50102
<b>Standards</b>	UL 508 IEC 60947-5-5 IEC 60947-5-4 IEC 60947-5-1 ISO 13850 IEC 60364-5-53 CSA C22.2 No 14 JIS C8201-5-1 IEC 60947-1 IEC 60204-1 JIS C8201-1
<b>Product Certifications</b>	CSA GL LROS (Lloyds register of shipping) BV UL listed DNV
<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
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## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	4.500 cm
<b>Package 1 Width</b>	5.400 cm
<b>Package 1 Length</b>	9.600 cm
<b>Package 1 Weight</b>	68.000 g
<b>Unit Type Of Package 2</b>	S03
<b>Number Of Units In Package 2</b>	80
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	5.940 kg
<b>Unit Type Of Package 3</b>	P06
<b>Number Of Units In Package 3</b>	640
<b>Package 3 Height</b>	75.000 cm
<b>Package 3 Width</b>	60.000 cm
<b>Package 3 Length</b>	80.000 cm
<b>Package 3 Weight</b>	57.084 kg

## Contractual warranty

<b>Warranty</b>	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Reach Free Of Svhc

Toxic Heavy Metal Free

Mercury Free

Rohs Exemption Information Yes

## Certifications & Standards

**Reach Regulation**

[REACH Declaration](#)

**Eu Rohs Directive**

Pro-active compliance (Product out of EU RoHS legal scope)

[EU RoHS Declaration](#)

**China Rohs Regulation**

[China RoHS declaration](#)

**Environmental Disclosure**

[Product Environmental Profile](#)

**Weee**

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

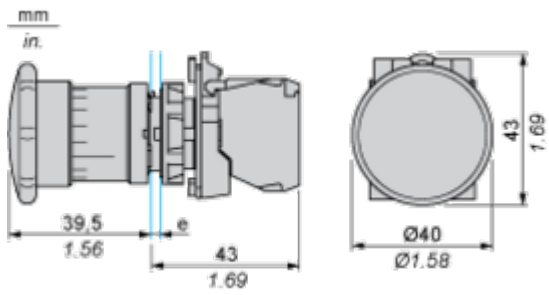
**Circularity Profile**

[End of Life Information](#)

Dimensions Drawings

**Dimensions**

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

Mounting and Clearance

**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**



- (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)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

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
On printed circuit board	30	1.18	30	1.18

**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)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )