

Harmony XB4, Emergency stop switching off, metal, red mushroom Ø40, Ø22, trigger latching turn to release, 1 NC

Local distributor code: 409065785

XB4BS8442

EAN Code: 3606480625053

#### Main

Range of product	Harmony XB4			
Product or component type	Emergency switching off push-button Emergency stop push-button			
Device short name	XB4			
Bezel material	Chromium plated metal			
Fixing collar material	Zamak			
Mounting diameter	22.5 mm			
Sale per indivisible quantity	1			
Shape of signaling unit head	Round			
Type of operator	trigger action and mechanical latching			
Head type	Standard			
Reset	Turn to release			
Operator profile	Red mushroom Ø 40 mm, unmarked			
Contact operation	Slow-break			
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end conforming to IEC 60947-1			

# Complementary

Height	47 mm		
Width	40 mm		
Depth	82 mm		
Terminals description ISO n°1	(21-22)NC		
Net weight	0.118 kg		
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m		
Contacts type and composition	1 NC		
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	0.81.2 N.m conforming to IEC 60947-1		

Shape of screw head	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				
Contacts material	Silver alloy (Ag/Ni)				
Short-circuit protection	10 A cartridge fuse type gG conforming to IEC 60947-5-1				
[Ith] conventional free air thermal current	10 A conforming to IEC 60947-5-1				
[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1				
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1				
[le] rated operational current	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				
Electrical durability	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				
Electrical reliability	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4				
	Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4				
Device presentation	Complete product				
Environment					
Protective treatment	тн				
Ambient air temperature for storage	-4070 °C				
Ambient air temperature for operation	-4070 °C				
Electrical shock protection class	Class I conforming to IEC 60536				
IP degree of protection	IP66 conforming to IEC 60529				
	IP67				
	IP69				
	IP69K				
NEMA degree of protection	NEMA 13				

Protective treatment	ТН			
Ambient air temperature for storage	-4070 °C			
Ambient air temperature for operation	-4070 °C			
Electrical shock protection class	Class I conforming to IEC 60536			
IP degree of protection	IP66 conforming to IEC 60529 IP67 IP69 IP69K			
NEMA degree of protection	NEMA 13 NEMA 4X			
IK degree of protection	IK06 conforming to IEC 50102			
Standards	IEC 60947-5-1 UL 508 CSA C22.2 No 14 ISO 13850 IEC 60947-5-5 JIS C8201-5-1 IEC 60947-1 IEC 60947-1 IEC 60947-5-4 IEC 60204-1 IEC 60364-5-53 JIS C8201-1			
Product certifications	CSA LROS (Lloyds register of shipping) BV UL listed DNV			
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

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.500 cm
Package 1 Width	5.400 cm
Package 1 Length	8.800 cm
Package 1 Weight	124.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	80
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	10.410 kg
Unit Type of Package 3	P06
Number of Units in Package 3	640
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	93.564 kg

# **Logistical informations**

Country of origin

## **Contractual warranty**

Warranty 18 months



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	
Total lifecycle Carbon footprint	1
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration

#### **Use Longer**

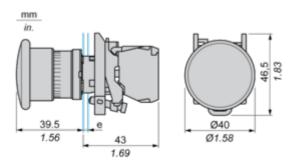
☼ Lifetime extension		
Product repair index	А	

#### **Use Again**

○ Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## **Dimensions Drawings**

#### **Dimensions**



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

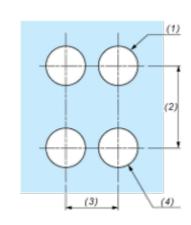
### XB4BS8442

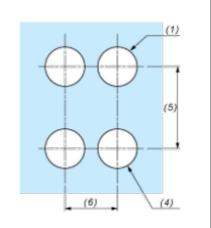
#### Mounting and Clearance

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

**Connection by Faston Connectors** 

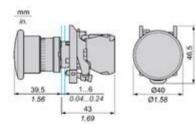


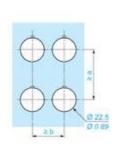


- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0^{+0.4}$  / 0.88 in.  $_0^{+0.016}$ )
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

## **Technical Illustration**

#### **Dimensions**

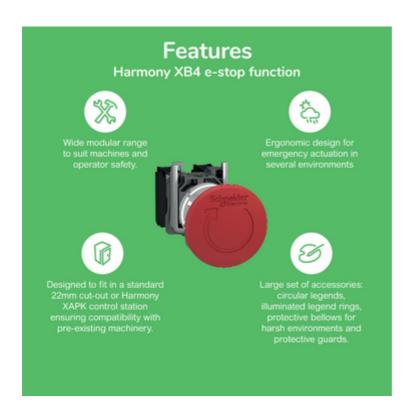




		a (mm)	a (in.)	b (mm)	b (in.)
ZBE	ZBV••••	40	1.57	30	1,18
Z8E3	Z8V3	45	1.77	32	1.26
Z8E*****	ZBV••••4	40	1.57	30	1.18
ZBE5	ZBV	50	1.97	30	1.18
Z8E9	ZBV••••9	40	1.57	30	1.18
ZBRT•	ZBRV1	40	1.57	30	1,18

Offer Marketing Illustration

#### Product benefits / Features



#### Offer Marketing Illustration

#### **Product benefits / Features**

# **Technical Benefits** Harmony XB4 e-stop function



Fit for all machine sizes and environments:

- Small machines > 30 mm
- Standard machines > 40 mm
   Use of gloves > 60 mm

Designed as per international standards for high performance.

Image of product / Alternate images

#### **Alternative**







