

Complete body/contact assembly and light block, Harmony XB4, with body/fixing collar, universal LED, 24V, 1NC

Local distributor code:

237104533 ZB4BW0B12

EAN Code: 3389110893090

Main

Range of product	Harmony XB4				
Product or component type	Complete body/contact assembly and light block				
Device short name	ZB4				
Fixing collar material	Zamak				
Sale per indivisible quantity	1				
Head type	Standard				
Contacts type and composition	1 NC				
Contact operation	Slow-break				
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to IEC 60947-1				
Light source	Universal LED				
Bulb base	Integral LED				
Light block supply	Direct				
Light source colour	White				
[Us] rated supply voltage	24 V AC/DC at 50/60 Hz				

Complementary

Operating travel 1.5 mm (NC char 4.3 mm (total trav 4.3 mm) (total trav 5.2 N NC changing 6.2 N NC changing 6.3 NC changing 7.3 NC changing 7				
Terminals description ISO n°1 (11-12)NC Net weight 0.064 kg Contacts usage Standard Positive opening With conforming to the conforming	30 mm			
Net weight O.064 kg Contacts usage Standard Positive opening With conforming to the conforming to	47 mm			
Contacts usage Standard Positive opening With conforming to the C				
Positive opening Operating travel 1.5 mm (NC char 4.3 mm (total trav Operating force 2 N NC changing Mechanical durability 5000000 cycles Tightening torque 0.81.2 N.m con Shape of screw head Cross compatible Cross compatible Slotted compatible	0.064 kg			
Operating travel 1.5 mm (NC char 4.3 mm (total trav Operating force 2 N NC changing Mechanical durability 5000000 cycles Tightening torque 0.81.2 N.m con Shape of screw head Cross compatible Cross compatible Slotted compatible				
4.3 mm (total trav Operating force 2 N NC changing Mechanical durability 5000000 cycles Tightening torque 0.81.2 N.m con Shape of screw head Cross compatible Cross compatible Slotted compatible	to IEC 60947-5-1 appendix K			
Mechanical durability 5000000 cycles Tightening torque 0.81.2 N.m con Shape of screw head Cross compatible Cross compatible Slotted compatible	1.5 mm (NC changing electrical state) 4.3 mm (total travel)			
Tightening torque 0.81.2 N.m con Shape of screw head Cross compatible Cross compatible Slotted compatible	2 N NC changing electrical state			
Shape of screw head Cross compatible Cross compatible Slotted compatible				
Cross compatible Slotted compatible	forming to IEC 60947-1			
	with Philips no 1 screwdriver with pozidriv No 1 screwdriver e with flat Ø 4 mm screwdriver e with flat Ø 5.5 mm screwdriver			
Contacts material Silver alloy (Ag/N	i)			

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				
Signalling type	Steady				
Supply voltage limits	19.230 V DC 21.626.4 V AC				
Current consumption	18 mA				
Service life	100000 h at rated voltage and 25 °C				
Surge withstand	1 kV conforming to IEC 61000-4-5				
Device presentation	Basic sub-assemblies				
Environment					
Protective treatment	тн				
Ambient air temperature for storage	-4070 °C				
ambient air temperature for operation	-4070 °C				

Protective treatment	TH			
Ambient air temperature for storage	-4070 °C			
ambient air temperature for operation	-4070 °C			
Electrical shock protection class	Class I conforming to IEC 60536			
Standards	IEC 60947-1			
	CSA C22.2 No 14			
	IEC 60947-5-4			
	JIS C8201-5-1			
	IEC 60947-5-5			
	IEC 60947-5-1			
	UL 508			
	JIS C8201-1			
	313 C020 1-1			
Product certifications	DNV			
	UL listed			
	LROS (Lloyds register of shipping)			
	BV			
	CSA			
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			
Resistance to fast transients	2 kV conforming to IEC 61000-4-4			
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3			

Resistance to electrostatic discharge	6 kV on contact (on metal parts) conforming to IEC 61000-2-6 8 kV in free air (in insulating parts) conforming to IEC 61000-2-6
Electromagnetic emission	Class B conforming to IEC 55011

Packing Units

•	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.200 cm
Package 1 Width	4.600 cm
Package 1 Length	5.200 cm
Package 1 Weight	61.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	150
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	9.644 kg

Logistical informations

Country of origin FF

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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	7
Environmental Disclosure	Product Environmental Profile

Use Better

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)
SCIP Number	Deee1f73-6ec6-4e21-8d08-42313aa4ca17
REACh Regulation	REACh Declaration

Use Again

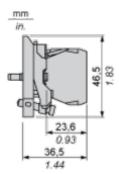
○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Product datasheet

ZB4BW0B12

Dimensions Drawings

Dimensions

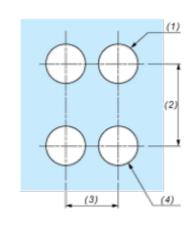


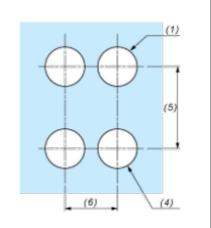
Mounting and Clearance

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



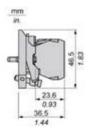


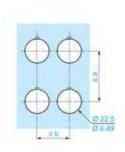
- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

ZB4BW0B12

Technical Illustration

Dimensions





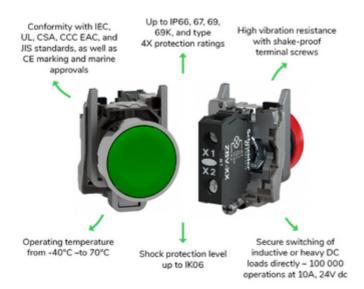
		a (mm)	a (in.)	b (mm)	b (in.)
ZBE	ZBV	40	1.57	30	1.18
ZBE3	1		1.77	32	1.26
Z8E4	ZBV••••4	40	1.57	30	1.18
ZBE5	ZBV	50	1.97	30	1.18
Z8E****9	28V••••9	40	1.57	30	1.18
ZBRT•	ZBRV1	40	1.57	30	1.18

Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XB4



Offer Marketing Illustration

Product benefits / Features



Image of product / Alternate images

Alternative











