

# ZB4BC28012RA

Head for push button, Harmony XB4,  
pushbutton harsh environment, black, with  
marking legend rotated 90°



## Main

Range of Product	Harmony XB4
Product or Component Type	Head for push-button
Device short name	ZB4
Bezel material	Chromium plated metal
Head type	Standard
Mounting diameter	0.87 in (22 mm)
Sale per indivisible quantity	1

## Complementary

CAD overall width	1.46 in (37 mm)
CAD overall height	0.73 in (18.5 mm)
CAD overall depth	1.46 in (37 mm)
Net Weight	0.08 lb(US) (0.036 kg)
Electrical shock protection class	Class I IEC 61140
Shape of signaling unit head	Round
Type of operator	Spring return
Operator profile	Black flush, type H012 white)
Operator additional information	Horizontal mounting
Mechanical durability	3000000 cycles
Vibration resistance	5 gn 2...500 Hz)IEC 60068-2-6
Shock resistance	30 gn 18 ms) half sine wave acceleration IEC 60068-2-27
Main group	Harsh environment
Group of product	Flush marked type H012
Cap/operator or lens colour	Black
Marking	Type H012
Colour of marking	White
Electrical composition code	C1 9 single front mounting C2 9 single and double front mounting C11 3 single front mounting C15 1 single front mounting

## Environment

Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	-40...158 °F (-40...70 °C)
IP degree of protection	IP66 IEC 60529 IP69K IP69
NEMA degree of protection	NEMA 4 UL 508 NEMA 13 NEMA 12
Resistance to high pressure washer	0.01 psi (90 Pa) 180 °F (82.5 °C)
IK degree of protection	IK06 IEC 62262

Standards	IEC 60947-1 IEC 60947-5-1 UL 508 CSA C22.2
Product Certifications	UL CSA CE

### Ordering and shipping details

Category	22468 - PUSHBUTTONS,22MM(METAL) NEW
Discount Schedule	CS2
GTIN	3606480444173
Nbr. of units in pkg.	1
Package weight(Lbs)	1.27 oz (36 g)
Returnability	No
Country of origin	FR

### Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.48 in (3.76 cm)
Package 1 width	1.46 in (3.7 cm)
Package 1 Length	1.46 in (3.7 cm)

### Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

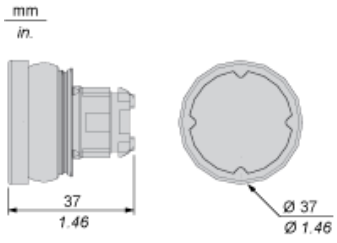
### Contractual warranty

Warranty	18 months
----------	-----------

---

Dimensions

---

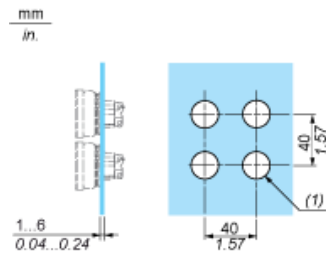


---

Installation on Flat Surface

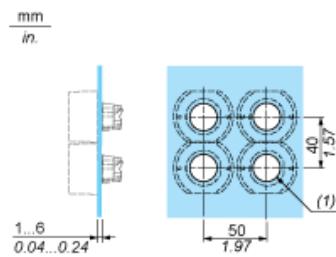
---

Without Protective Guard



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

With Protective Guard



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

---

Marking Type H012

---



---

Electrical Composition Corresponding to Code C1

---



---

Electrical Composition Corresponding to Code C2

---



---

Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1

---

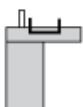


---

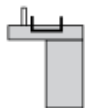
Electrical Composition Corresponding to Code C15

---

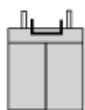
1 N/O



1 N/C



1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C



## Legend

---

Single contact



Double contact



Light block



Possible location

