Product datasheet

Specification





pushbutton head for harsh environment - red - without marking

ZB4BC480

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	22.5 mm	
Sale per indivisible quantity	1	
Cap/operator or lens colour	Red	

Complementary

CAD overall width	37 mm	
CAD overall height	18.5 mm	
CAD overall depth	37 mm	
net weight	0.036 kg	
Electrical shock protection class	Class I conforming to IEC 61140	
Shape of signaling unit head	ead Round	
Type of operator	spring return	
Operator profile	Red flush, unmarked	
Operator additional information	N Vertical mounting Horizontal mounting	
Mechanical durability	10000000 cycles	
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	
Main group	Harsh environment	
Group of product	Flush unmarked	
Marking	Unmarked	
Electrical composition code	C1 for <9 contacts using single blocks in front mounting C2 for <9 contacts using single and double blocks in front mounting C11 for <3 contacts using single blocks in front mounting C15 for <1 contacts using single blocks in front mounting	
device presentation	Basic element	

Environment

Ambient air temperature for storage	-4085 °C	
Ambient air temperature for operation	-4070 °C	
IP degree of protection	IP66 conforming to IEC 60529 IP69K IP67 IP69	
NEMA degree of protection	NEMA 4 conforming to UL 508 NEMA 13 NEMA 12	
Resistance to high pressure washer	90 Pa at 82.5 °C	
IK degree of protection	IK06 conforming to IEC 62262	
Standards	CSA C22.2 UL 508 IEC 60947-1 IEC 60947-5-1	
Product certifications	CE UL CSA	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.0 cm
Package 1 Width	6.0 cm
Package 1 Length	8.0 cm
Package 1 Weight	33.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	100
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.618 kg

Contractual warranty

Warranty 18 months



Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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

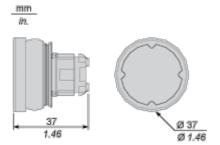
②	Reach Free Of Svhc	
	Toxic Heavy Metal Free	
②	Mercury Free	
⊘	Rohs Exemption Information	Yes

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
Circularity Profile	End of Life Information

Dimensions Drawings

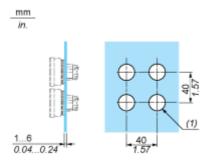
Dimensions



Mounting and Clearance

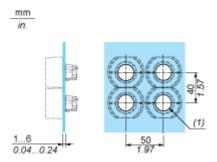
Installation on Flat Surface

Without Protective Guard



(1) Ø22.5 mm recommended (Ø22.3 $_0^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 $_0^{+0.016}$)

With Protective Guard



(1) Ø22.5 mm recommended (Ø22.3 $_0^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 $_0^{+0.016}$)

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Technical Description

Electrical Composition Corresponding to Code C1



Electrical Composition Corresponding to Code C2



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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

