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Product data sheet
Characteristics

ZB4BC48021
pushbutton head for harsh environment - red - with marking



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 mm
Sale per indivisible quantity	1

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	Round
Type of operator	spring return
Operator profile	Red flush, type H021 (white)
Operator additional information	Vertical mounting
Mechanical durability	10000000 cycles
Vibration resistance	5 gn (f= 2…500 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 marked type H021
Cap/Operator or lens colour	Red
Marking	Type H021
Colour of marking	White

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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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	-40…85 °C
Ambient air temperature for operation	-40…70 °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 60947-5-1 IEC 60947-1
Product certifications	UL CE CSA

Packing Units

Package 1 Weight	32 g
Package 2 Weight	3.685 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

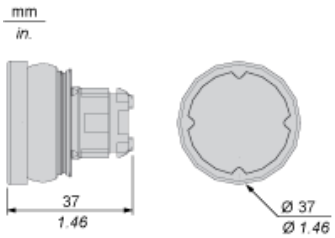
Warranty	18 months

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Product data sheet
Dimensions Drawings

ZB4BC48021

Dimensions



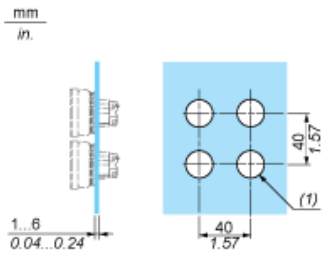
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Product data sheet
Mounting and Clearance

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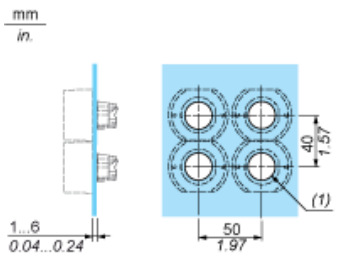
Installation on Flat Surface

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 $_{0}^{+0.016}$)

Life Is On Schneider Electric

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Product data sheet
Technical Description

ZB4BC48021

Marking Type H021



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Product data sheet
Technical Description

ZB4BC48021

Electrical Composition Corresponding to Code C1



Life Is On Schneider Electric

Product data sheet
Technical Description

ZB4BC48021

Electrical Composition Corresponding to Code C2

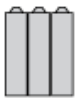


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Product data sheet
Technical Description

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



Life Is On Schneider Electric

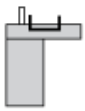
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Product data sheet
Technical Description

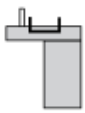
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Electrical Composition Corresponding to Code C15

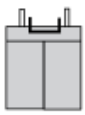
1 N/O



1 N/C



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



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Product data sheet
Technical Description

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Legend

Single contact



Double contact



Light block



Possible location

