ZB4BC48021

pushbutton head for harsh environment - red - with marking

Green Premium

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
Product 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	Flush red 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
Electrical composition code	C15 for 1 contacts using single blocks in front mounting C11 for 3 contacts using single blocks in front mounting

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C1 for 9 contacts using single blocks in front mounting
C2 for 9 contacts using single and double blocks in front mounting

Environment

Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	-40...70 °C
IP degree of protection	IP69 IP67 IP66 conforming to IEC 60529 IP69K
NEMA degree of protection	NEMA 12 NEMA 13 NEMA 4 conforming to UL 508
Resistance to high pressure washer	90 Pa at 82.5 °C
IK degree of protection	IK06 conforming to IEC 62262
Standards	IEC 60947-1 IEC 60947-5-1 UL 508 CSA C22.2
Product certifications	CE CSA UL

Offer Sustainability

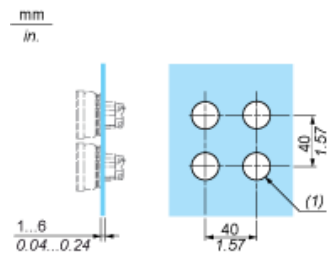|	
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0627 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Need no specific recycling operations End of Life Information

Contractual warranty

Warranty period	18 months

Dimensions

37
1.46

Ø 37
Ø 1.46
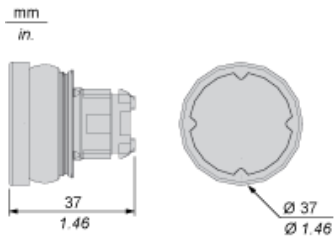
Installation on Flat Surface

Without Protective Guard

mm
in.

1...6
0.04...0.24

40
1.57

40
1.57

(1)

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

With Protective Guard

mm
in.

1...6
0.04...0.24

40
1.57

50
1.97

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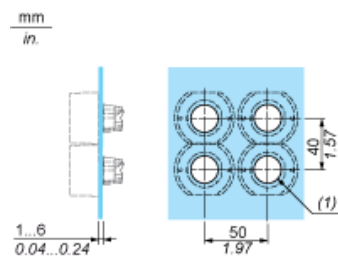
(1)   Ø22.5 mm recommended (Ø22.3 $_0$ $^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 $_0$ $^{+0.016}$)

Marking Type H021

Electrical Composition Corresponding to Code C1

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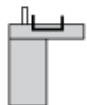## Electrical Composition Corresponding to Code C2
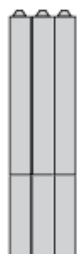
Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1
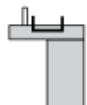
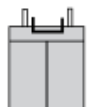## Electrical Composition Corresponding to Code C15

1 N/O

1 N/C

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

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Legend

Single contact

Double contact

Light block

Possible location