Specifications





selector switch head Ø22 2-position stay put Ronis 455

Local distributor code: 398132910 ZB4BG02

EAN Code : 3389110368611

Main

ony XB4			
Head for key selector switch			
Chromium plated metal			
22 mm			
Standard			
Black key switch			
ut			
2 positions 90°			
Key 455			

Complementary

CAD overall width	29 mm				
CAD overall height	29 mm				
CAD overall depth	72 mm				
Product weight	0.098 kg				
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m				
Mechanical durability	1000000 cycles				
Electrical composition code	C3 for <6 contacts using single blocks in front mounting C4 for <6 contacts using single and double blocks in front mounting C5 for <5 contacts using single blocks in front mounting C6 for <5 contacts using single and double blocks in front mounting C7 for <4 contacts using single blocks in front mounting C8 for <4 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

Protective treatment



mbient air temperature for -4070 °C torage						
Ambient air temperature for operation	-4070 °C					
Overvoltage category	Class I conforming to IEC 60536					
IP degree of protection	IP66 conforming to IEC 60529 IP67 IP69 IP69K					
NEMA degree of protection	NEMA 13 NEMA 4X					
IK degree of protection	IK06 with keyhole cover ZBGP conforming to IEC 50102					
Standards	CSA C22.2 No 14 UL 508 EN/IEC 60947-5-4 EN/IEC 60947-1 EN/IEC 60947-5-5 GB 14048.5 EN/IEC 60947-5-1					
Product certifications	UL listed DNV GL LROS (Lloyds register of shipping) BV CSA					
Vibration resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6					
Shock resistance	istance30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-2750 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27					

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.8 cm
Package 1 Width	3.4 cm
Package 1 Length	5.2 cm
Package 1 Weight	104 g
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	8.8 cm
Package 2 Width	3.4 cm
Package 2 Length	26 cm
Package 2 Weight	520 g
Unit Type of Package 3	S02
Number of Units in Package 3	50
Package 3 Height	15 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	5.607 kg

Offer Sustainability

Sustainable offer status	Green Premium product		
REACh Regulation	REACh Declaration		
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration		

Mercury free	Yes			
China RoHS Regulation	China RoHS declaration			
RoHS exemption information	Yes			
Environmental Disclosure	Product Environmental Profile			
Circularity Profile	End of Life Information			

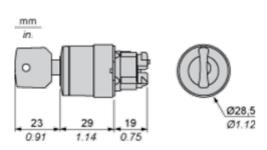
Contractual warranty

Warranty

18 months

Dimensions Drawings

Dimensions



ZB4BG02

Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

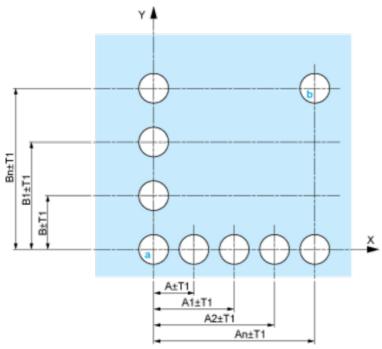
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board	Connection by Faston Connectors
(1) Diameter on finished panel or support	
(2) 40 mm min. / 1.57 in. min.	
(3) 30 mm min. / 1.18 in. min.	
(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.01}$	⁶)
(5) 45 mm min. / 1.78 in. min.	
(6) 32 mm min. / 1.26 in. min.	

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Mounting and Clearance

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

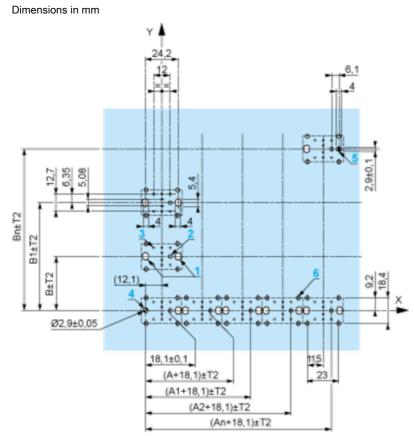
Panel Cut-outs (Viewed from Installer's Side)



A: 30 mm min. / 1.18 in. min.

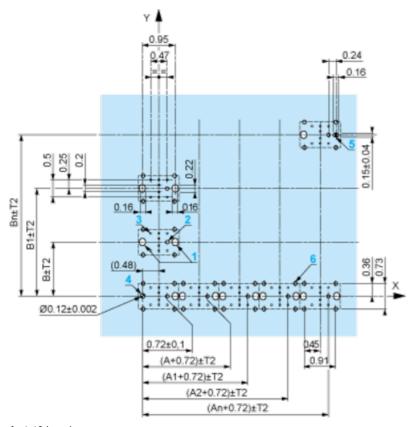
B: 40 mm min. / 1.57 in. min.

Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)



A: 30 mm min. B: 40 mm min.

Dimensions in in.





B: 1.57 in. min.

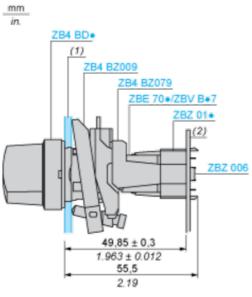
General Tolerances of the Panel and Printed Circuit Board

The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

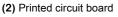
Installation Precautions

- Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- Cut-out diameter: 22.4 mm ± 0.1 / 0.88 in. ± 0.004
- Orientation of body/fixing collar ZB4 BZ009: ± 2[°]30' (excluding cut-outs marked a and b).
- Tightening torque of screws ZBZ 006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB4 BZ079 fixing collar/pillar and its fixing screws:
 - $\circ~$ every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
 - with each selector switch head (ZB4 BD•, ZB4 BJ•, ZB4 BG•).

The fixing centers marked a and b are diagonally opposed and must align with those marked 4 and 5.



(1) Panel



Mounting of Adapter (Socket) ZBZ 01•

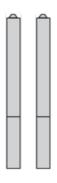
- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked b)
- 6 4 holes Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ 01•

Dimensions An + 18.1 relate to the Ø 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 holes for centring adapter ZBZ 01•.

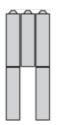
Technical Description



Technical Description



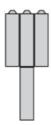
Technical Description



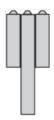
Technical Description



Technical Description



Technical Description



Technical Description

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



ZB4BG02

Technical Description

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



Life Is On Schneider

ZB4BG02

Technical Description

Legend

Single contact



Double contact



Light block



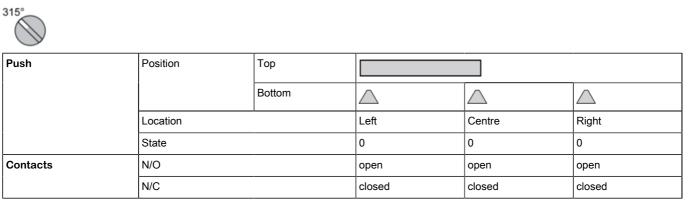
Possible location



Technical Description

Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°



Position 45°

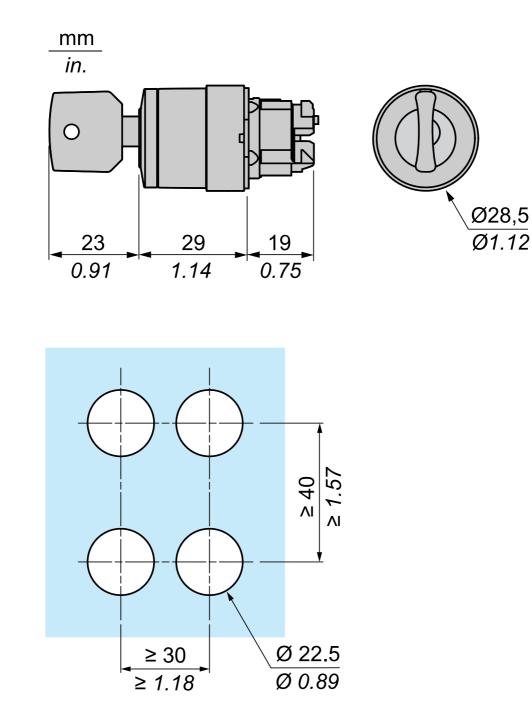


Push	Position	sition Top			
		Bottom			
	Location		Left	Centre	Right
	State		1	1	1
Contacts	N/O		closed	closed	closed
	N/C		open	open	open

ZB4BG02

Technical Illustration

Dimensions



Recommended replacement(s)

19