产品参数表

规格

钥匙选择开关头 Ø22 - 3 位 弹簧复位 - Ronis 3131A - 左

ZB5AG0820

已退市

主要信息

产品系列	Harmony XB5
产品类型	钥匙选择开关头部
产品短名	ZB5
边框材料	Dark grey plastic
安装直径	22 mm
操纵头类型	标准
每件单独销售数量	1
信号单元头部形状	圆形
操作头类型	右至中心 弹簧复位
操纵杆外形	黑色 钥匙开关
操作头位置信息	3 位 +/- 45°
钥匙锁类型	Key 3131A
钥匙拔出位置	左

补充信息

CAD 总宽度	29 mm
CAD 总高度	29 mm
CAD 总深度	72 mm
净重	0.057 kg
机械寿命	1000000 次
站名称	XALD 1至5个开孔 XALK 2至5个开孔
电气组成代码	C4 适用 <6 触点 使用 单和双 块 内 前端安装 C5 适用 <5 触点 使用 单个 块 内 前端安装 C6 适用 <5 触点 使用 单和双 块 内 前端安装 C7 适用 <4 触点 使用 单个 块 内 前端安装 C8 适用 <4 触点 使用 单和双 块 内 前端安装 C11 适用 <3 触点 使用 单个 块 内 前端安装 C3 适用 <6 触点 使用 单个 块 内 前端安装 SF1 适用 <3 触点 使用 单个 块 内 前端安装 SR1 适用 <3 触点 使用 单个 块 内 背面安装
设备简介	基本要素

环境

保护处理	TH

贮存环境温度	-40…70 °C
运行温度	-40…70 °C
过电压种类	Class II conforming to IEC 60536
IP 保护等级	IP66 符合 IEC 60529 IP67 IP69 IP69K
NEMA防护等级	NEMA 13 NEMA 4X
高压垫圈阻抗	7000000 Pa 在…上 55 °C, 距离: 0.1 m
IK 保护等级	IK06 conforming to IEC 50102
符合标准	CSA C22.2 No 14 IEC 60947-5-4 UL 508 IEC 60947-1 JIS C8201-5-1 IEC 60947-5-1 JIS C8201-1
产品认证	DNV CSA BV LROS (Lloyds register of shipping) 列���的 UL
抗振动	5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6
抗冲击	30 gn (持续时间 = 18 ms) 适用 半正弦冲击 符合 IEC 60068-2-27 50 gn (持续时间 = 11 ms) 适用 半正弦冲击 符合 IEC 60068-2-27

包装单位

包装**1**：包装单位类型	PCE
个/公斤	1
包装**1**：高度	3.400 cm
包装**1**：宽度	5.200 cm
包装**1**：长度	8.900 cm
包装重量	66.000 g

合同保修

保修单	18 months

Environmental Data

施耐德电气希望通过不断开展的“使用更好、使用更长时间、再次使用”的宣传活动来建立供应链伙伴关系、降低材料的影响力并促进材料循环，从而到2050年实现净零排放。

环境数据说明 >

环境足迹

生命周期总碳足迹	1
产品环境概况(PEP)	产品环境文件

Use Better

材料和包装

回收纸板包装	否
无塑料包装	否
欧盟ROHS指令	主动合规性（超出欧盟 RoHS 法定范围的产品）
SCIP编号	F28cb399-1b6a-409d-ac7b-4169e47b25c8
中国 ROHS 管理办法	中国 ROHS 声明

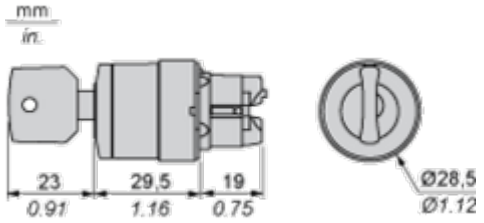
Use Again

重新包装和再制造

流通资料	产品使用寿命终期信息
回收	不支持

Dimensions Drawings

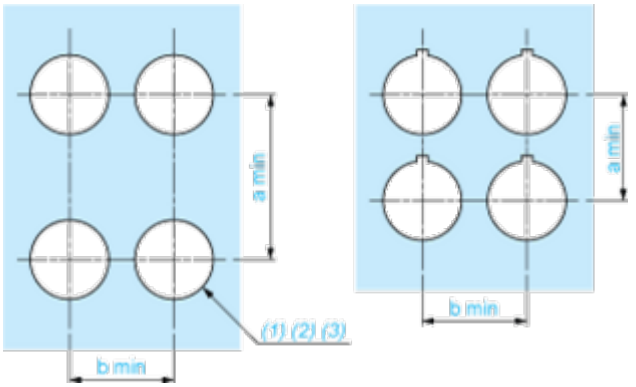
Dimensions



Mounting and Clearance

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

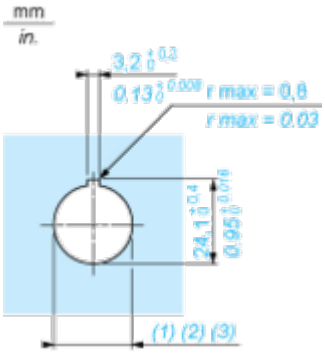
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



(1) Diameter on finished panel or support
(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
(3) Ø22.5 mm recommended (Ø22.3 $_{0}^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 in. $_{0}^{+0.016}$)

Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	30	1.18
By Faston connectors	45	1.77	32	1.26
On printed circuit board	30	1.18	30	1.18

Detail of Lug Recess



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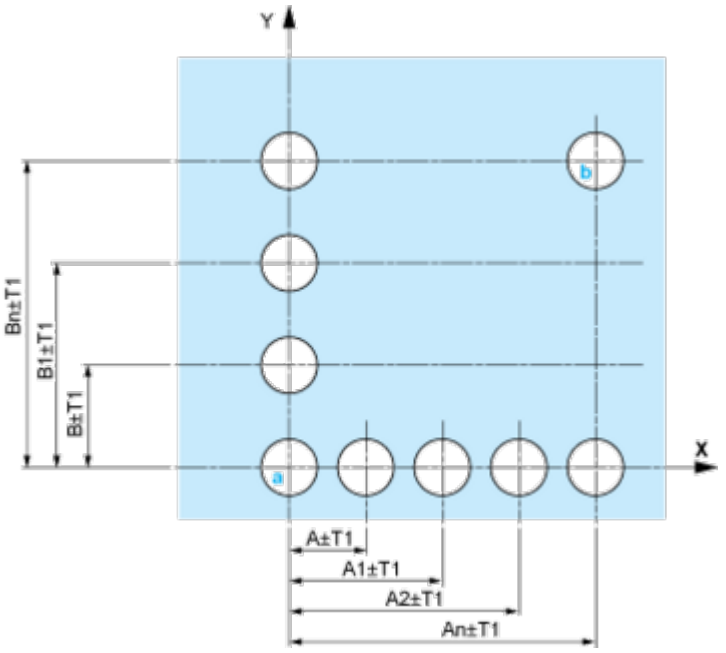
Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

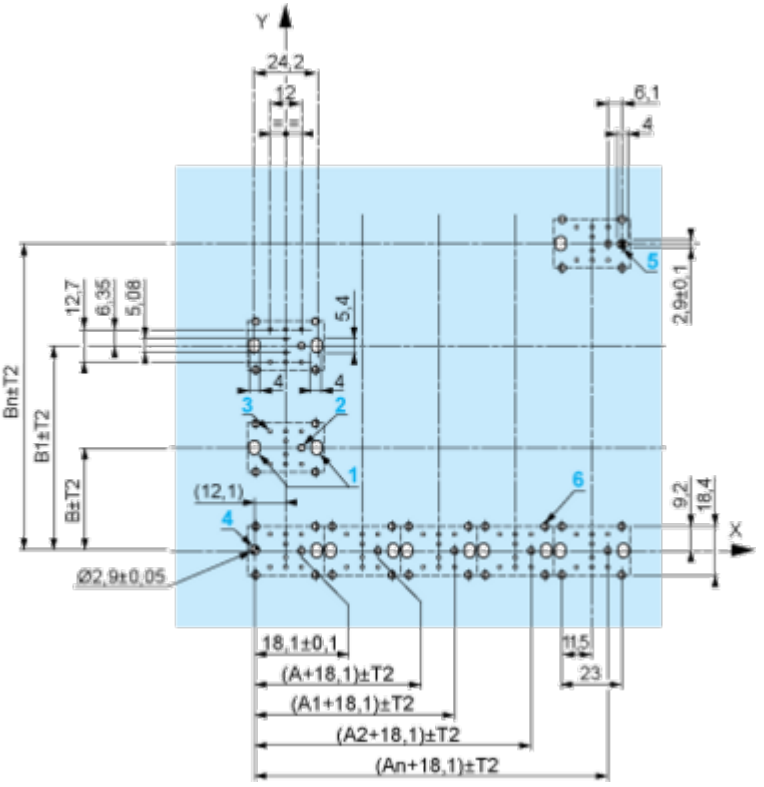
Panel Cut-outs (Viewed from Installer's Side)



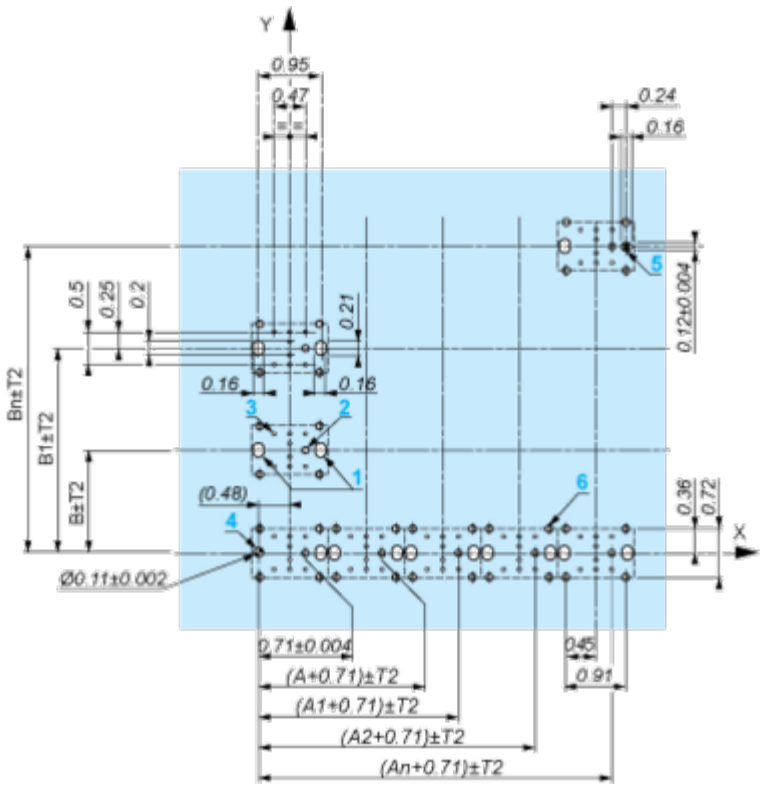
A: 30 mm min. / 1.18 in. min.
B: 40 mm min. / 1.57 in. min.

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

Dimensions in mm



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



A: 1.18 in. min.
B: 1.57 in. min.

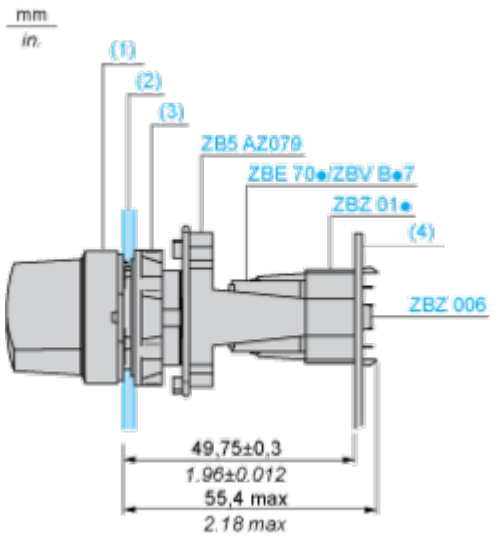
General Tolerances of the Panel and Printed Circuit Board

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 ZB5AZ009: ± 2°30' (excluding cut-outs marked **a** and **b**).
- Tightening torque of screws ZBZ006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB5AZ079 fixing collar/pillar and its fixing screws:
  - every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
  - with each selector switch head (ZB5AD•, ZB5AJ•, ZB5AG•).

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



(1) Head ZB5AD•
(2) Panel
(2) Nut
(4) Printed circuit board

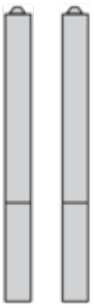
Mounting of Adapter (Socket) ZBZ01•

- **1** 2 elongated holes for ZBZ006 screw access
- **2** 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ01•
- **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 ZBZ01•

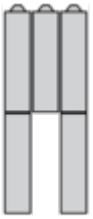
Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ01•.

Technical Description

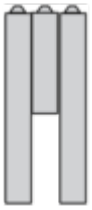
Electrical Composition Corresponding to Code C4



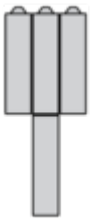
Electrical Composition Corresponding to Code C5



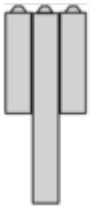
Electrical Composition Corresponding to Code C6



Electrical Composition Corresponding to Code C7



Electrical Composition Corresponding to Code C8



Electrical Composition Corresponding to Code C3

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

Legend

Single contact

Double contact

Light block

Possible location

Sequence of Contacts Fitted to 3-position Selector Switch Body

Position 315°

Push	Position	Top			
		Bottom			
	Location		Left	Centre	Right
	State		1	1	0
Contacts	N/O		closed	closed	open
	N/C		open	open	closed

Position 0°

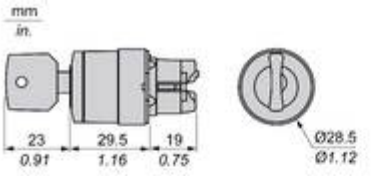
Push	Position	Top			
		Bottom			
	Location		Left	Centre	Right
	State		0	0	0
Contacts	N/O		open	open	open
	N/C		closed	closed	closed

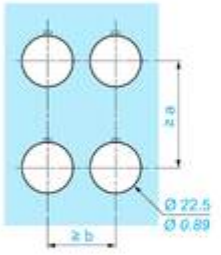
Position 45°

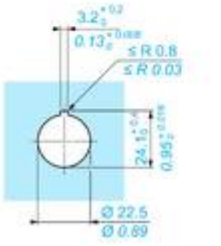
Push	Position	Top			
		Bottom			
	Location		Left	Centre	Right
	State		0	1	1
Contacts	N/O		open	closed	closed
	N/C		closed	open	open

Technical Illustration

Dimensions







	a (mm)	a (in.)	b (mm)	b (in.)
ZBE●●●●● ZBV●●●●	40	1.57	30	1.18
ZBE●●●●●3 ZBV●●●●3	45	1.77	32	1.26
ZBE●●●●●4 ZBV●●●●4	40	1.57	30	1.18
ZBE●●●●●5 ZBV●●●●5	50	1.97	30	1.18
ZBE●●●●●9 ZBV●●●●9	40	1.57	30	1.18
ZBRT● ZBRV1	40	1.57	30	1.18