



### Main

|                               |                                      |
|-------------------------------|--------------------------------------|
| Range of product              | Harmony XB4                          |
| Product or component type     | Head for illuminated selector switch |
| Product compatibility         | Integral LED                         |
| Device short name             | ZB4                                  |
| Bezel material                | Chromium plated metal                |
| Head type                     | Standard                             |
| Mounting diameter             | 0.87 in (22 mm)                      |
| Sale per indivisible quantity | 1                                    |
| Shape of signaling unit head  | Round                                |
| Type of operator              | Stay put                             |
| Operator profile              | White standard handle                |
| Operator position information | 3 positions +/- 45°                  |

### Complementary

|                                    |  |
|------------------------------------|--|
| CAD overall width                  | 1.14 in (29 mm)  |
| CAD overall height                 | 1.14 in (29 mm)  |
| CAD overall depth                  | 1.69 in (43 mm)  |
| Product weight                     | 0.08 lb(US) (0.036 kg)   |
| Resistance to high pressure washer | 1015.26 psi (7000000 Pa) at 131 °F (55 °C), distance: 0.1 m  |
| Mechanical durability              | 1000000 cycles   |
| Electrical composition code        | M6 for 2 contacts using single blocks in front mounting with integral LED and transformer<br>M10 for 2 contacts using single blocks in front mounting with integral LED<br>M3 for 4 contacts using single blocks in front mounting with integral LED<br>M4 for 4 contacts using single and double blocks in front mounting with integral LED |

### Environment

|                                       |   |
|---------------------------------------|---|
| protective treatment                  | TH  |
| ambient air temperature for storage   | -40...158 °F (-40...70 °C)  |
| ambient air temperature for operation | -40...158 °F (-40...70 °C)  |
| overvoltage category                  | Class I conforming to IEC 60536   |
| IP degree of protection               | IP67<br>IP66 conforming to IEC 60529<br>IP69K<br>IP69   |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X  |
| IK degree of protection               | IK06 conforming to IEC 50102  |
| standards                             | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-5<br>JIS C 4520<br>UL 508<br>CSA C22.2 No 14 |
| product certifications                | BV<br>CSA<br>DNV<br>GL<br>LROS (Lloyds register of shipping)<br>RINA<br>UL listed                                     |
| vibration resistance                  | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6   |
| shock resistance                      | 30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27                                     |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Offer Sustainability

WARNING: This product can expose you to chemicals including:

Nickel compounds, which is known to the State of California to cause cancer, and

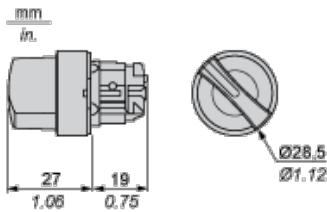
Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.

For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

## Contractual warranty

Warranty period 18 months

## Dimensions



## 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 |
|---|---------------------------------|
|   |                                 |
| <p>(1) Diameter on finished panel or support</p> <p>(2) 40 mm min. / 1.57 in. min.</p> <p>(3) 30 mm min. / 1.18 in. min.</p> <p>(4) <math>\varnothing</math> 22.5 mm / 0.89 in. recommended (<math>\varnothing</math> 22.3 mm <math>^{+0.4}</math> / 0.88 in. <math>^{+0.016}</math>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> |                                 |

## 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.



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

### Electrical Composition Corresponding to Code M3



### Electrical Composition Corresponding to Code M4



### Electrical Composition Corresponding to Codes M6 and P2



### Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



### Legend

Single contact



Double contact



Light block



Possible location



## Sequence of Contacts Fitted to 3-position Selector Switch Body

### Position 315°



|                 |          |        |        |        |       |
|-----------------|----------|--------|--------|--------|-------|
| <b>Push</b>     | Position | Top    |        |        |       |
|                 |          | Bottom |        |        |       |
|                 | Location |        | Left   |        | Right |
|                 | State    |        | 1      |        | 0     |
| <b>Contacts</b> | N/O      |        | closed | open   |       |
|                 | N/C      |        | open   | closed |       |

### Position 0°



|                 |          |        |        |        |       |
|-----------------|----------|--------|--------|--------|-------|
| <b>Push</b>     | Position | Top    |        |        |       |
|                 |          | Bottom |        |        |       |
|                 | Location |        | Left   |        | Right |
|                 | State    |        | 0      |        | 0     |
| <b>Contacts</b> | N/O      |        | open   | open   |       |
|                 | N/C      |        | closed | closed |       |

### Position 45°



|                 |          |        |        |        |       |
|-----------------|----------|--------|--------|--------|-------|
| <b>Push</b>     | Position | Top    |        |        |       |
|                 |          | Bottom |        |        |       |
|                 | Location |        | Left   |        | Right |
|                 | State    |        | 0      |        | 1     |
| <b>Contacts</b> | N/O      |        | open   | closed |       |
|                 | N/C      |        | closed | open   |       |

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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