



## Teknisk informasjon

|                                  |                      |
|----------------------------------|----------------------|
| Produktspekter                   | Harmony XB4          |
| Produkt eller type komponent     | Hode for lysvendere  |
| Produktkompatibilitet            | Universal LED        |
| Kortnavn utstyr                  | ZB4                  |
| Innfatningsmateriale             | Forkrommet metall    |
| Hode type                        | Standard             |
| Montasjediameter                 | 22 mm                |
| Salg per udelelig kvantitet      | 1                    |
| Formen på varslingsenhetens hode | Rund                 |
| Type arm/stempel                 | fast                 |
| Operatørprofil                   | Orange standard grep |
| Informasjon om knappens stilling | 2 posisjoner 90°     |

## Komplementær

|                              |                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bredde                       | 29 mm                                                                                                                                                                                                                                                                                                                                                   |
| Høyde                        | 29 mm                                                                                                                                                                                                                                                                                                                                                   |
| Dybde                        | 43 mm                                                                                                                                                                                                                                                                                                                                                   |
| Vekt                         | 0,036 kg                                                                                                                                                                                                                                                                                                                                                |
| Resistens til høytrykksvask  | 7000000 Pa på 55 °C, distanse : 0.1 m                                                                                                                                                                                                                                                                                                                   |
| Mekanisk levetid             | 1000000 sykluser                                                                                                                                                                                                                                                                                                                                        |
| Elektrisk sammensetningskode | M3 for <4 kontakter bruker Enkel blokker i frontmontering med innebygget LED<br>M6 for <2 kontakter bruker Enkel blokker i frontmontering med integrert LED og transformator<br>M10 for <2 kontakter bruker Enkel blokker i frontmontering med innebygget LED<br>M4 for <4 kontakter bruker enkel og dobbel blokker i frontmontering med innebygget LED |
| Enhetens utseende            | Basic element                                                                                                                                                                                                                                                                                                                                           |

## Miljø

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| Overflatebeskyttelse             | TH                                                    |
| Omgivelsestemperatur for lagring | -40...70 °C                                           |
| Omgivelsestemperatur drift       | -40...70 °C                                           |
| Overspenningskategori            | Klasse I i samsvar med IEC 60536                      |
| IP-grad                          | IP66 i samsvar med IEC 60529<br>IP67<br>IP69<br>IP69K |
| NEMA beskyttelsesgrad            | NEMA 13<br>NEMA 4X                                    |
| Ik beskyttelsesklasse            | IK04 conforming to IEC 50102                          |

|                     |                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standarder          | CSA C22.2 No 14<br>JIS C8201-5-1<br>EN/IEC 60947-5-5<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>UL 508<br>JIS C8201-1                                        |
| Produktsertifikater | UL listet[RETURN]GL[RETURN]DNV[RETURN]LR0S (Lloyds register of shipping)[RETURN]BV[RETURN]CSA                                                                                  |
| Vibrasjonsmotstand  | 5 gn (f= 2...500 Hz) i samsvar med IEC 60068-2-6                                                                                                                               |
| Støtmotstand        | 30 gn (varighet = 18 ms) for halvsinuskurve akselerasjon i samsvar med IEC 60068-2-27<br>50 gn (varighet = 11 ms) for halvsinuskurve akselerasjon i samsvar med IEC 60068-2-27 |

## Forpakkingsinformasjon

|                          |           |
|--------------------------|-----------|
| Enhetstype pakke 1       | PCE       |
| Antall enheter i pakke 1 | 1         |
| Pakke 1 Høyde            | 3,600 cm  |
| Pakke 1 Bredde           | 5,300 cm  |
| Pakke 1 Vekt             | 5,400 cm  |
| Package 1 Weight         | 41,000 g  |
| Enhetstype pakke 2       | S03       |
| Antall enheter i pakke 2 | 250       |
| Pakke 2 Høyde            | 30,000 cm |
| Pakke 2 Bredde           | 30,000 cm |
| Pakke 2 Lengde           | 40,000 cm |
| Pakke 2 Vekt             | 10,830 kg |
| Enhetstype pakke 3       | P06       |
| Antall enheter i pakke 3 | 2000      |
| Pakke 3 Høyde            | 75,000 cm |
| Pakke 3 Bredde           | 60,000 cm |
| Pakke 3 Lengde           | 80,000 cm |
| Pakke 3 Vekt             | 96,604 kg |

## Bærekraftig

|                              |                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| Produktets miljøstatus       | Green Premium miljømerket produkt                                                                   |
| REACH-regelverk              | <a href="#">REACH-erklæring</a>                                                                     |
| REACH fri for SVHC           | Ja                                                                                                  |
| EU RoHS-direktiv             | Proaktivt i samsvar (Produktet inngår ikke i EUs RoHS direktivet) <a href="#">EU RoHS-erklæring</a> |
| Fri for giftige tungmetaller | Ja                                                                                                  |
| Kvikksølvfri                 | Ja                                                                                                  |
| Kinas RoHS-forskrift         | <a href="#">Kinas RoHS-Erklæring</a>                                                                |
| Informasjon om RoHS-unntak   | <a href="#">Ja</a>                                                                                  |
| Miljøinformasjon             | <a href="#">Produktmiljøprofil</a>                                                                  |
| Produktets livssyklus        | <a href="#">Informasjon Om Levetidsslutt</a>                                                        |

## Logistisk informasjon

|                  |    |
|------------------|----|
| Opprinnelsesland | FR |
|------------------|----|

## Garantiperiode

|         |           |
|---------|-----------|
| Garanti | 18 months |
|---------|-----------|

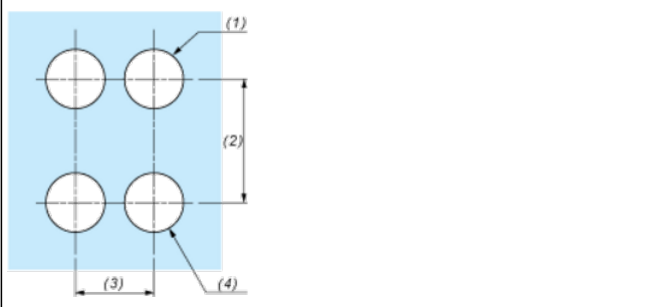
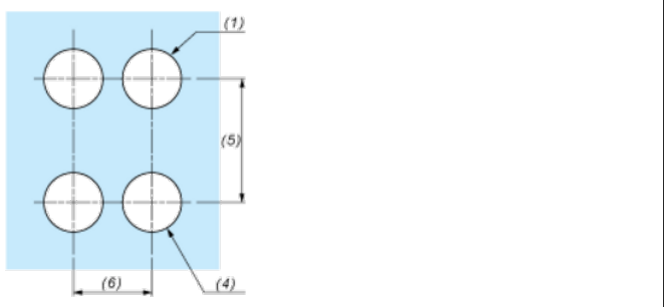
---

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 22.5 \text{ mm} / 0.89 \text{ in. recommended } (\varnothing 22.3 \text{ mm}_0^{+0.4} / 0.88 \text{ in.}_0^{+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.



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  $\pm$  0.1 / 0.88 in.  $\pm$  0.004
- Orientation of body/fixing collar ZB4 BZ009:  $\pm 2^\circ 30'$  (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:
  - 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

(2) Printed circuit board

## Mounting of Adapter (Socket) ZBZ 01•

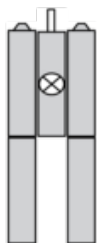
- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 for centring adapter ZBZ 01•
- 3 8  $\times$   $\varnothing$  1.2 mm / 0.05 in. holes
- 4 1 hole  $\varnothing$  2.9 mm  $\pm$  0.05 / 0.11 in.  $\pm$  0.002, for aligning the printed 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  $\varnothing$  2.4 mm / 0.09 in. for clipping in adapter ZBZ 01•

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

---

Electrical Composition Corresponding to Code M3

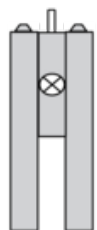
---



---

Electrical Composition Corresponding to Code M4

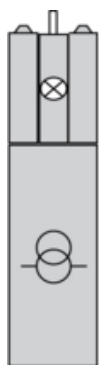
---



---

Electrical Composition Corresponding to Codes M6 and P2

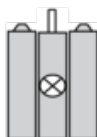
---



---

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 2-position Selector Switch Body

Position 315°



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

Position 45°



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