

## Groene Ø40 verlichte vuistslag, Drukknop Ø22mm, vergr. voor ingeb. LED

ZB4BW633

**Belangrijk bericht:** A change in appearance may be noted on the product but does not affect its use in terms of function and safety. This makes it compatible with our Universal LED blocks  
EAN Code: 3389110666601

**Prijs: 48,30 EUR**

### Hoofd

|                                    |                                        |
|------------------------------------|----------------------------------------|
| range of product                   | Harmony XB4                            |
| product of component type          | Kop voor verlichte drukknop            |
| device short name                  | ZB4                                    |
| compatibiliteit product            | Universele LED                         |
| kraag materiaal                    | Verchroomd metaal                      |
| koptype                            | Standaard                              |
| bevestigingsdiameter               | 22,5 mm                                |
| verkoop per ondeelbare hoeveelheid | 1                                      |
| vorm van kop signaleringseenheid   | Rond                                   |
| type operator                      | vergrendeling                          |
| reset                              | In balans                              |
| operator profiel                   | Groen paddestoel Ø 40, niet gemarkeerd |
| kap/operator of lenskleur          | Groen                                  |

### Complementair

|                                |                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD totale breedte             | 40 mm                                                                                                                                                                                                                                                                                                                                                                                                     |
| CAD totale hoogte              | 40 mm                                                                                                                                                                                                                                                                                                                                                                                                     |
| CAD totale diepte              | 53 mm                                                                                                                                                                                                                                                                                                                                                                                                     |
| gewicht product                | 0,051 kg                                                                                                                                                                                                                                                                                                                                                                                                  |
| weerstand hoge druk drukring   | 7000000 Pa om 55 °C, afstand: 0.1 m                                                                                                                                                                                                                                                                                                                                                                       |
| mechanical durability          | 300000 cycles                                                                                                                                                                                                                                                                                                                                                                                             |
| elektrische samenstellingscode | M6 voor <2 contacten gebruik enkelvoudig blokken in vooraan gemonteerd met ingebouwde LED en transformator<br>M10 voor <2 contacten gebruik enkelvoudig blokken in vooraan gemonteerd met integrale LED<br>M3 voor <4 contacten gebruik enkelvoudig blokken in vooraan gemonteerd met integrale LED<br>M4 voor <4 contacten gebruik enkelvoudig en dubbel blokken in vooraan gemonteerd met integrale LED |
| product presentatie            | Basis sub-eenheden                                                                                                                                                                                                                                                                                                                                                                                        |

### Omgeving

De weergegeven prijs is de adviesprijs in euro excl. BTW. Deze kan onderhevig zijn aan korting. Neem contact op met uw lokale distributeur of detailhandel voor de daadwerkelijke prijs

Disclaimer: Deze documentatie is niet bedoeld als vervanging voor en mag niet worden gebruikt voor het bepalen van de geschiktheid of betrouwbaarheid van deze producten voor specifieke gebruikerstoepassingen

|                                     |                                                                                                                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| beschermende behandeling            | TH                                                                                                                                                                                         |
| ambient air temperature for storage | -40...70 °C                                                                                                                                                                                |
| omgevingstemperatuur voor werking   | -40...70 °C                                                                                                                                                                                |
| overvoltage category                | Klasse I In overeenstemming met IEC 60536                                                                                                                                                  |
| IP beschermingsgraad                | IP66 In overeenstemming met IEC 60529<br>IP69<br>IP69K                                                                                                                                     |
| Enclosure Type                      | UL type 4X/13                                                                                                                                                                              |
| IK-beschermingsgraad                | IK05 In overeenstemming met IEC 62262                                                                                                                                                      |
| standards                           | JIS C8201-5-1<br>IEC 60947-5-5<br>IEC 60947-5-4<br>UL 508<br>CSA C22.2 Nr 14<br>IEC 60947-1<br>IEC 60947-5-1<br>JIS C8201-1                                                                |
| product certifications              | BV<br>CSA<br>DNV<br>LROS (Lloyds register of shipping)<br>UL listed                                                                                                                        |
| trilling bestendigheid              | 5 gn (f= 2...500 Hz) In overeenstemming met IEC 60068-2-6                                                                                                                                  |
| schokbestendigheid                  | 30 gn (duur = 18 ms) voor halve sinusgolf versnelling In overeenstemming met IEC 60068-2-27<br>50 gn (duur = 11 ms) voor halve sinusgolf versnelling In overeenstemming met IEC 60068-2-27 |

## Verpakkingseenheid

|                                 |          |
|---------------------------------|----------|
| Eenheidstype van verpakking 1   | PCE      |
| Aantal eenheden in verpakking 1 | 1        |
| verpakking 1 hoogte             | 5,2 cm   |
| verpakking 1 breedte            | 4,4 cm   |
| verpakking 1 lengte             | 8,8 cm   |
| verpakking_1_gewicht            | 56,0 g   |
| Eenheidstype van verpakking 2   | S02      |
| Aantal eenheden in verpakking 2 | 42       |
| verpakking 2 hoogte             | 15,0 cm  |
| verpakking 2 breedte            | 30,0 cm  |
| verpakking 2 lengte             | 40,0 cm  |
| verpakking 2 gewicht            | 2,667 kg |

## contractuele waarborg

|                       |    |
|-----------------------|----|
| Garantie (in maanden) | 18 |
|-----------------------|----|



## Environmental Data

Schneider Electric wil tegen 2050 de Net Zero-status hebben bereikt via partnerschappen in de toeleveringsketen, materialen met een lagere impact en circulariteit via onze doorlopende campagne "Use Better, Use Longer, Use Again" om de levensduur van producten en de recycleerbaarheid te verlengen.

[Uitleg van Environmental Data](#) >

[Hoe evalueren we de duurzaamheid van producten?](#) >



### Milieuvoetafdruk

|                                                         |                |
|---------------------------------------------------------|----------------|
| Totale levenscyclus ecologische voetafdruk              | 0.5 kg CO2 eq. |
| Koolstofvoetafdruk van de fabricagefase [A1–A3]         | 0.4 kg CO2 eq. |
| Koolstofvoetafdruk van de distributiefase [A4]          | 0 kg CO2 eq.   |
| Koolstofvoetafdruk van de installatiefase [A5]          | 0 kg CO2 eq.   |
| Koolstofvoetafdruk van de gebruiksfase [B2, B3, B4, B6] | 0 kg CO2 eq.   |
| Koolstofvoetafdruk van de einde-levensfase [C1–C4]      | 0.1 kg CO2 eq. |

## Use Better



### Materialen en verpakking

|                                              |                                                                                  |
|----------------------------------------------|----------------------------------------------------------------------------------|
| Gemiddeld percentage gerecycleerde kunststof | 37 %                                                                             |
| Gemiddeld percentage gerecycleerd metaal     | 21 %                                                                             |
| Pakket met gerecycleerd karton               | Ja                                                                               |
| Verpakkingen zonder kunststof                | Ja                                                                               |
| RoHS-richtlijn van de EU                     | <a href="#">Conform</a>                                                          |
| REACH-verordening                            | <a href="#">Referentie bevat zorgwekkende stoffen (SVHC) boven drempelwaarde</a> |

## Use Longer



### Levensduurverlenging

|           |     |
|-----------|-----|
| Reparatie | Nee |
|-----------|-----|

## Use Again



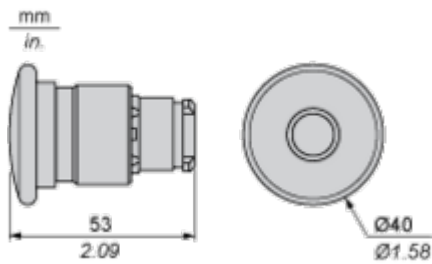
### Herverpakken en herfabriceren

|                   |                                                  |
|-------------------|--------------------------------------------------|
| Circulair Profiel | <a href="#">Informatie over einde levensduur</a> |
| Terugname         | Ja                                               |

Dimensions Drawings

Dimensions

---



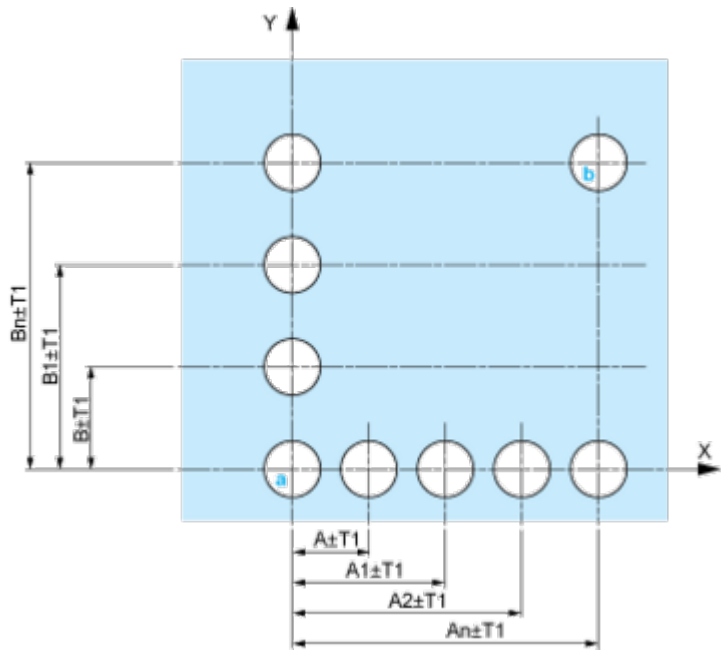
Mounting and Clearance

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                                                                                                                                                                                                                                               | 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) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm<sub>0</sub><sup>+0.4</sup> / 0.88 in.<sub>0</sub><sup>+0.016</sup>)</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

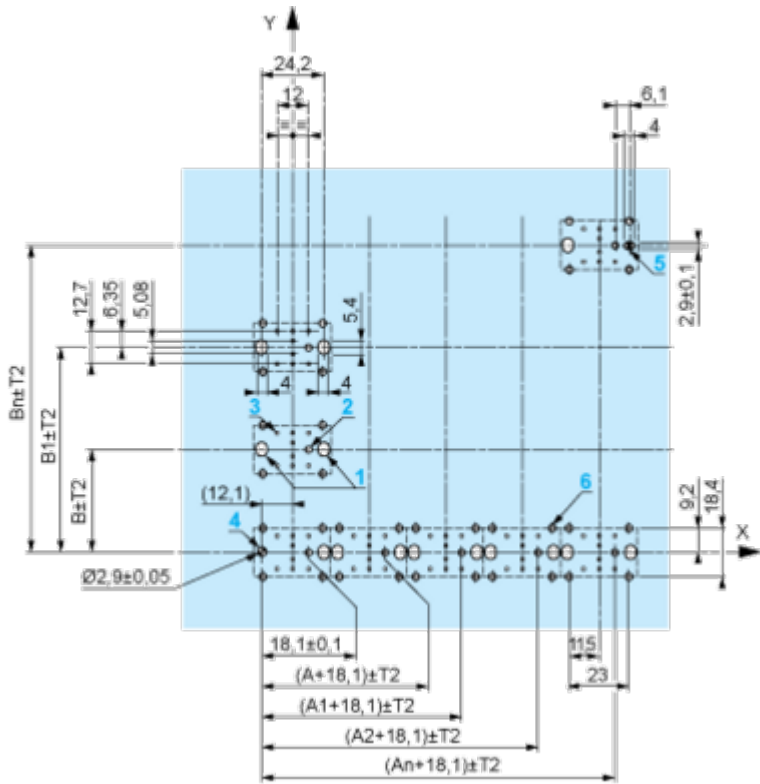
Panel Cut-outs (Viewed from Installer's Side)



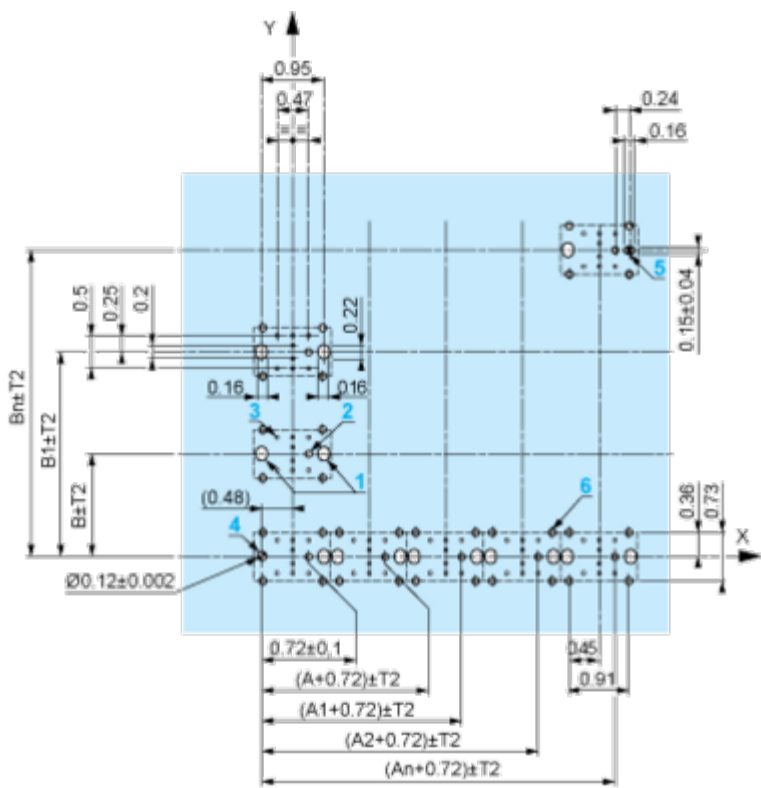
- A: 30 mm min. / 1.18 in. min.
- B: 40 mm min. / 1.57 in. min.

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.

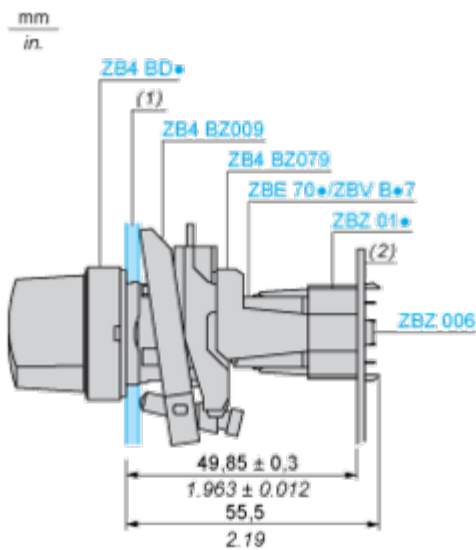
General Tolerances of the Panel and Printed Circuit Board

The cumulative tolerance must not exceed 0.3 mm / 0.012 in:  $T1 + T2 = 0.3 \text{ mm max.}$

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  $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$  for centring adapter ZBZ 01•
- 3 8 ×  $\varnothing 1.2 \text{ mm} / 0.05 \text{ in.}$  holes
- 4 1 hole  $\varnothing 2.9 \text{ mm} \pm 0.05 / 0.11 \text{ in.} \pm 0.002$ , 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  $\varnothing 2.4 \text{ mm} / 0.09 \text{ in.}$  for clipping in adapter ZBZ 01•

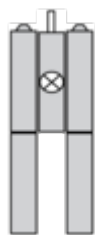
Dimensions An + 18.1 relate to the  $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$  holes for centring adapter ZBZ 01•.



Technical Description

Electrical Composition Corresponding to Code M3

---



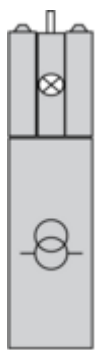
Electrical Composition Corresponding to Code M4

---

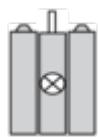


Electrical Composition Corresponding to Codes M6 and P2

---



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



Legend

---

Single contact



Double contact



Light block

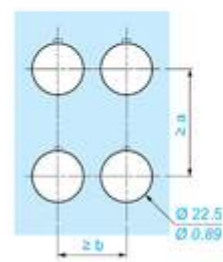
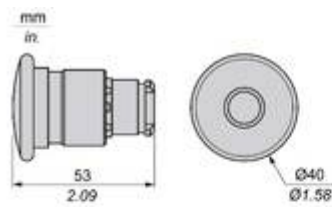


Possible location



Technical Illustration

Dimensions



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

Offer Marketing Illustration

Product benefits / Features

### Features

Harmony XB4/XB5 Illuminated functions



NEW universal LED Block for all colors





Simple stock management







Improved installation time and easy selection





Improved color intensity and brightness

Offer Marketing Illustration

Product benefits / Features

### Features

Harmony XB4



Quick and easy assembly and disassembly



Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board



Excellent mechanical connection with operator head



Large set of accessories to customize your panels



Robustness to withstand harsh environments





Offer Marketing Illustration

Product benefits / Features

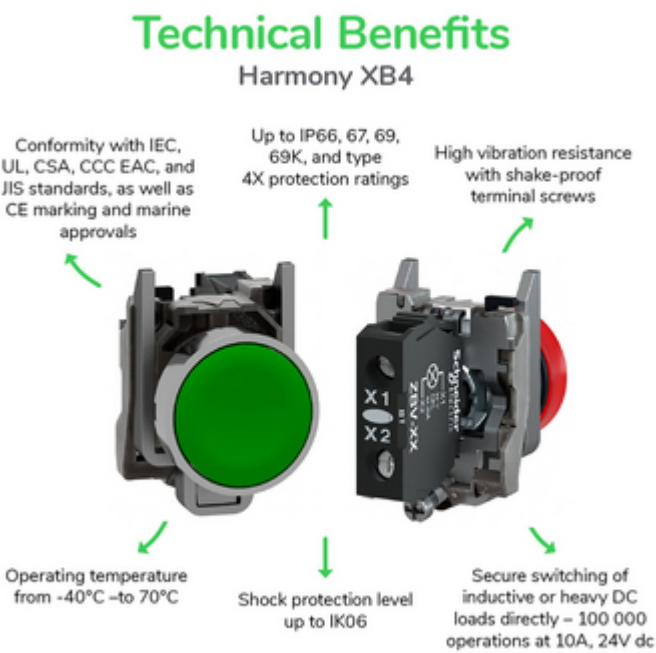


Image of product / Alternate images

Alternative

---

