

# Produktdatablad

Specifikationer



## Harmony paddetrykshoved i plast med Ø40 mm padde i sort farve med drej for at frigøre

El-nr.:

7517903897

ZB5AS52

EAN-nr: 3389110906844

## Egenskaber

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Produktserie                    | Harmony XB5                           |
| Produkttype                     | Hoved til trykknop                    |
| Enhedsforkortelse               | ZB5                                   |
| Materiale og farve på frontring | Mørkegrå plast                        |
| Hovedtype                       | Standard                              |
| Montagediameter                 | 22 mm                                 |
| Mindst mulige salgsantal        | 1                                     |
| Form på hoved                   | Rundt                                 |
| Betjeningsprofil                | låsning                               |
| Nulstil                         | Drej for at frigøre                   |
| Betjeningsprofil                | Sort Paddetryk Ø 40 mm, Uden mærkning |
| Konstruktion                    | Som løsdele                           |

## Produktinformationer

|                                  |  |
|----------------------------------|--|
| Bredde                           | 40 mm  |
| Højde                            | 40 mm  |
| Dybde                            | 57 mm  |
| Vægt                             | 0,044 kg   |
| Mekanisk holdbarhed              | 500000 kredsløb  |
| Kanalnavn                        | XALD 1 montagehul<br>XALK 1 montagehul   |
| Kode for elektrisk sammensætning | C11 til <3 kontakter benytter enkelt blokke i Montering forfra<br>C15 til <1 kontakter benytter enkelt blokke i Montering forfra<br>SF1 til <3 kontakter benytter enkelt blokke i Montering forfra<br>SR1 til <3 kontakter benytter enkelt blokke i Montering bagfra<br>C7 til <4 kontakter benytter enkelt blokke i Montering forfra<br>C8 til <4 kontakter benytter enkelt og dobbelt blokke i Montering forfra<br>C10 til <4 kontakter benytter enkelt og dobbelt blokke i Montering forfra |

|                     |     |
|---------------------|-----|
| Kompatibilitetskode | ZB5 |
|---------------------|-----|

## Miljø

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| Beskyttelsesbehandling              | TH                                |
| Omgivelsestemperatur ved opbevaring | -40...70 °C                       |
| Omgivelsestemperatur under drift    | -40...70 °C                       |
| Overspændingskategori               | Klasse II conforming to IEC 60536 |

|  |  |
|--|--|
| <b>IP kapslingsklasse</b>                          | IP66 i henhold til IEC 60529<br>IP67<br>IP69<br>IP69K  |
| <b>NEMA kapslingsklasse</b>                        | NEMA 13<br>NEMA 4X   |
| <b>Modstandsdygtighed overfor højtryksrensning</b> | 7000000 Pa ved 55 °C, distance : 0.1 m   |
| <b>IP kapslingsklasse</b>                          | IK03 conforming to IEC 50102   |
| <b>Standarder</b>                                  | IEC 60947-5-1<br>CSA C22.2 No 14<br>IEC 60947-5-4<br>IEC 60947-1<br>JIS C8201-5-1<br>UL 508<br>JIS C8201-1   |
| <b>Produktcertificeringer</b>                      | CSA<br>DNV<br>BV<br>LROS (Lloyds register of shipping)<br>UL listet  |
| <b>Vibrationsmodstand</b>                          | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6   |
| <b>Modstandsdygtighed overfor stød</b>             | 30 gn (varighed = 18 milisekund) til Halv sinusbølge acceleration i henhold til IEC 60068-2-27<br>50 gn (varighed = 11 milisekund) til Halv sinusbølge acceleration i henhold til IEC 60068-2-27 |

## Forpakkingsinformation

|                                |           |
|--------------------------------|-----------|
| <b>Enhedstype af pakke 1</b>   | PCE       |
| <b>Antal enheder i pakke 1</b> | 1         |
| <b>Pakke 1 Højde</b>           | 8,800 cm  |
| <b>Pakke 1 Længde</b>          | 5,300 cm  |
| <b>Package 1 Length</b>        | 4,500 cm  |
| <b>Pakke 1 Vægt</b>            | 41,000 g  |
| <b>Enhedstype af pakke 2</b>   | S03       |
| <b>Antal enheder i pakke 2</b> | 100       |
| <b>Pakke 2 Højde</b>           | 30,000 cm |
| <b>Pakke 2 Bredde</b>          | 30,000 cm |
| <b>Pakke 2 Længde</b>          | 40,000 cm |
| <b>Pakke 2 Vægt</b>            | 4,643 kg  |

## Logistik informationer

|                        |    |
|------------------------|----|
| <b>Oprindelsesland</b> | CZ |
|------------------------|----|

## Garanti

|                |           |
|----------------|-----------|
| <b>Garanti</b> | 18 months |
|----------------|-----------|

## Environmental Data

Schneider Electric's mål er at opnå Net Zero-status i 2050 gennem partnerskaber med forsyningskæden, materialer med lavere påvirkning og cirkularitet via vores igangværende kampagne "Use Better, Use Longer, Use Again" for at forlænge produkternes levetid og genbrugelighed.

[Forklaring af Environmental Data >](#)

[Sådan vurderer vi produktets bæredygtighed >](#)

### Miljøfodaftryk

CO2-belastning (kg CO2 eq.)

1

Miljøoplysning

[Miljøprofil for produkt](#)

### Use Better

#### Materialer og emballage

Pakke med genbrugspap

No

Emballage uden plast

No

[EU RoHS-direktivet](#)

Proaktiv overensstemmelse (produkt ikke omfattet af EU RoHS)

Reach-forordning

[REACH-erklæring](#)

### Use Again

#### Ompakning og genfremstilling

Cirkularitetsprofil

[Oplysninger om udtjent udstyr](#)

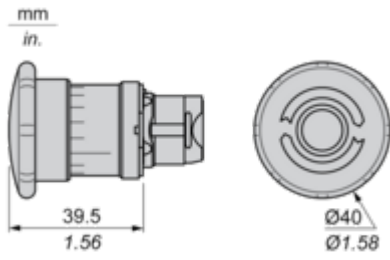
Returnering

No

Dimensions Drawings

Dimensions

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



- (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)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88$  in.  $_0^{+0.016}$ )





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  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 for centring adapter ZBZ01•
- 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 ZBZ01•

Dimensions An + 18.1 relate to the  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ01•.

## Technical Description

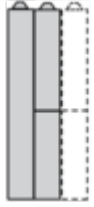
### Electrical Composition Corresponding to Code C7

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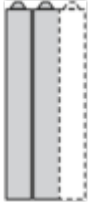
Electrical Compositions Corresponding to Code C8

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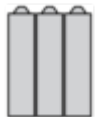


Electrical Compositions Corresponding to Code C10

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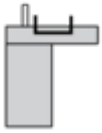
Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



Electrical Composition Corresponding to Code C15

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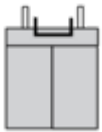
1 N/O



1 N/C



1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C



**Legend**

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Single contact



Double contact



Light block

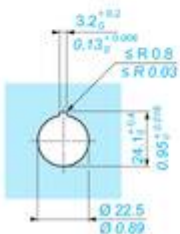
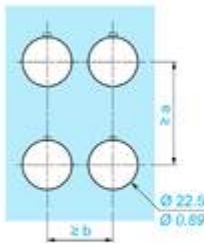
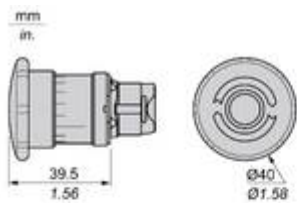


Possible location



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    |

Offer Marketing Illustration

Product benefits / Features

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## Technical Benefits

Harmony XB5

Conformity with IEC, UL, CSA, CCC EAC, and JIS standards, as well as CE marking and marine approvals

Up to IP66, 67, 69, 69K, and type 4X protection ratings

High vibration resistance with shake-proof terminal screws



Operating temperature from -40°C to 70°C

Shock protection level up to IK06

Secure switching of inductive or heavy DC loads directly – 100 000 operations at 10A, 24V dc

Offer Marketing Illustration

Product benefits / Features

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### Features Harmony XB5



- 

Quick and easy assembly and disassembly
- 

Excellent mechanical connection with operator head
- 

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

Large set of accessories to customize your panels
- 

Robustness to withstand harsh environments

Image of product / Alternate images

Alternative

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