

# Produktdatablad

Specifikationer



## Harmony drejeregreb i plast med et kort grønt greb med 2 faste positioner

El-nr.:  
7517904087

ZB5AD203

EAN-nr: 3389110904987

### Egenskaber

|                                 |                         |
|---------------------------------|-------------------------|
| Produktserie                    | Harmony XB5             |
| Produkttype                     | Hoved til drejeafbryder |
| Enhedsforkortelse               | ZB5                     |
| Materiale og farve på frontring | Mørkegrå plast          |
| Montagediameter                 | 22 mm                   |
| Hovedtype                       | Standard                |
| Mindst mulige salgsantal        | 1                       |
| Form på hoved                   | Rundt                   |
| Betjeningsprofil                | faste positioner        |
| Betjeningsprofil                | Grøn Kort drejeregreb   |
| Antal positioner                | 2 positioner 90°        |

### Produktinformationer

|                     |  |
|---------------------|--|
| Bredde              | 29 mm  |
| Højde               | 29 mm  |
| Dybde               | 46 mm  |
| Vægt                | 0,017 kg   |
| Mekanisk holdbarhed | 1000000 kredsløb                                     |
| Kanalnavn           | XALD 1...5 montagehuller<br>XALK 2...5 montagehuller |

|                                  |   |
|----------------------------------|---|
| Kode for elektrisk sammensætning | C3 til <6 kontakter benytter enkelt blokke i Montering forfra<br>C4 til <6 kontakter benytter enkelt og dobbelt blokke i Montering forfra<br>C5 til <5 kontakter benytter enkelt blokke i Montering forfra<br>C6 til <5 kontakter benytter enkelt og dobbelt blokke i Montering forfra<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>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 |
|----------------------------------|---|

|              |             |
|--------------|-------------|
| Konstruktion | Som løsdele |
|--------------|-------------|

### Miljø

|                                     |             |
|-------------------------------------|-------------|
| Beskyttelsesbehandling              | TH          |
| Omgivelsestemperatur ved opbevaring | -40...70 °C |
| Omgivelsestemperatur under drift    | -40...70 °C |

|  |  |
|--|--|
| <b>Overspændingskategori</b>                       | Klasse II conforming to IEC 60536  |
| <b>IP kapslingsklasse</b>                          | IP67 i henhold til IEC 60529<br>IP69 i henhold til IEC 60529<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>                          | IK06 conforming to IEC 50102   |
| <b>Standarder</b>                                  | JIS C8201-5-1<br>IEC 60947-1<br>UL 508<br>IEC 60947-5-4<br>CSA C22.2 No 14<br>IEC 60947-5-1<br>JIS C8201-1   |
| <b>Produktcertificeringer</b>                      | DNV<br>CSA<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>           | 3,2 cm  |
| <b>Pakke 1 Længde</b>          | 3,6 cm  |
| <b>Package 1 Length</b>        | 4,8 cm  |
| <b>Pakke 1 Vægt</b>            | 23 g    |
| <b>Enhedstype af pakke 2</b>   | S02     |
| <b>Antal enheder i pakke 2</b> | 100     |
| <b>Pakke 2 Højde</b>           | 15 cm   |
| <b>Pakke 2 Bredde</b>          | 30 cm   |
| <b>Pakke 2 Længde</b>          | 40 cm   |
| <b>Pakke 2 Vægt</b>            | 2,64 kg |

## Logistik informationer

|                        |    |
|------------------------|----|
| <b>Oprindelsesland</b> | FR |
|------------------------|----|

## 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 Yes

Emballage uden plast Yes

[EU RoHS-direktivet](#)

Proaktiv overensstemmelse (produkt ikke omfattet af EU RoHS)

Reach-forordning

[REACH-erklæring](#)

### Use Again

#### Ompakning og genfremstilling

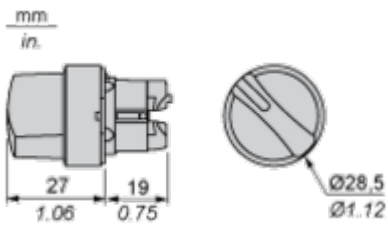
Cirkularitetsprofil [Oplysninger om udtjent udstyr](#)

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) Ø22.5 mm recommended ( $\text{Ø}22.3_0^{+0.4}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88_0^{+0.016}$ )

| 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) Ø22.5 mm recommended ( $\text{Ø}22.3_0^{+0.4}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88_0^{+0.016}$ )





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 C3

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Electrical Composition Corresponding to Code C4

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Electrical Composition Corresponding to Code C5

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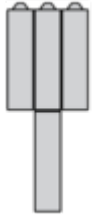
Electrical Composition Corresponding to Code C6

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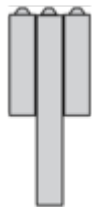
Electrical Composition Corresponding to Code C7

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Electrical Composition Corresponding to Code C8

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



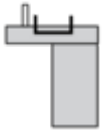
Electrical Composition Corresponding to Code C15

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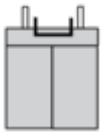
1 N/O



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



Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°



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

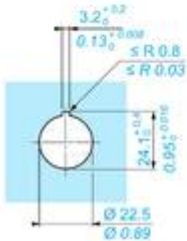
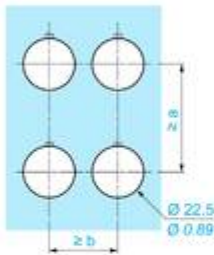
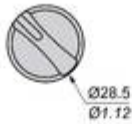
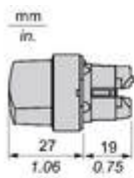
Position 45°



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

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     |        |         |        |         |