

# ZB5AZ141

Harmony XB5, Single contact block with body/  
fixing collar, plastic, screw clamp terminal, 1 NO +  
2 NC



Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 55.00 USD



## Main

|                               |                                                                                                                                                                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB5                                                                                                                                                                |
| Product or component type     | Complete body/contact assembly                                                                                                                                             |
| Device short name             | ZB5                                                                                                                                                                        |
| Fixing collar material        | Plastic                                                                                                                                                                    |
| Sale per indivisible quantity | 1                                                                                                                                                                          |
| Head type                     | Standard                                                                                                                                                                   |
| Contacts type and composition | 1 NO + 2 NC                                                                                                                                                                |
| Contact operation             | Slow-break                                                                                                                                                                 |
| Contact block type            | Single                                                                                                                                                                     |
| Connections - terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN 60947-1 |

## Complementary

|                               |                                                                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width             | 1.18 In (30 mm)                                                                                                                    |
| CAD overall height            | 1.65 In (42 mm)                                                                                                                    |
| CAD overall depth             | 1.26 In (32 mm)                                                                                                                    |
| Terminals description ISO n°1 | (11-12)NC<br>(3-4)NO                                                                                                               |
| Net Weight                    | 0.09 Lb(US) (0.04 kg)                                                                                                              |
| Device composition            | Fixing collar<br>Body                                                                                                              |
| Contacts usage                | Standard contacts                                                                                                                  |
| Positive opening              | With EN/IEC 60947-5-1 appendix K                                                                                                   |
| Operating travel              | 0.06 In (1.5 mm) NC changing electrical state)<br>0.10 In (2.6 mm) NO changing electrical state)<br>0.17 In (4.3 mm) total travel) |
| Mechanical durability         | 10000000 Cycles                                                                                                                    |
| Tightening torque             | 7.08...10.62 Lbf.In (0.8...1.2 N.m) EN 60947-1                                                                                     |

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shape of screw head                         | Cross Philips no 1<br>Cross pozidriv No 1<br>Slotted flat Ø 4 mm<br>Slotted flat Ø 5.5 mm                                                                                                                                                                                                                                                                                                                 |
| Contacts material                           | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                                                                                                                                                      |
| Short-circuit protection                    | 10 A cartridge fuse gG EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                   |
| [Ith] conventional free air thermal current | 10 A EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                     |
| [Ui] rated insulation voltage               | 600 V 3)EN 60947-1                                                                                                                                                                                                                                                                                                                                                                                        |
| [Uimp] rated impulse withstand voltage      | 6 kV EN 60947-1                                                                                                                                                                                                                                                                                                                                                                                           |
| [Ie] rated operational current              | 3 A 240 V, AC-15, A600 EN/IEC 60947-5-1<br>6 A 120 V, AC-15, A600 EN/IEC 60947-5-1<br>0.1 A 600 V, DC-13, Q600 EN/IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q600 EN/IEC 60947-5-1<br>0.55 A 125 V, DC-13, Q600 EN/IEC 60947-5-1<br>1.2 A 600 V, AC-15, A600 EN/IEC 60947-5-1                                                                                                                                  |
| Electrical durability                       | 1000000 Cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C |
| Electrical reliability                      | $\Lambda < 10\exp(-6)$ 5 V, 1 mA in clean environment EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 17 V, 5 mA in clean environment EN/IEC 60947-5-4                                                                                                                                                                                                                                                         |
| Device presentation                         | Basic sub-assemblies                                                                                                                                                                                                                                                                                                                                                                                      |

## 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)                                                                                          |
| IP degree of protection               | IP20 IEC 60529                                                                                                      |
| Standards                             | EN/IEC 60947-5-1<br>EN/IEC 60947-1<br>CSA C22.2 No 14<br>UL 508<br>JIS C8201-5-1<br>EN/IEC 60947-5-4<br>JIS C8201-1 |
| Product certifications                | BV<br>GL<br>UL<br>LROS (Lloyds register of shipping)<br>DNV<br>CSA                                                  |
| Vibration resistance                  | 5 gn 2...500 Hz)IEC 60068-2-6                                                                                       |
| Shock resistance                      | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27<br>50 gn 11 ms) half sine wave acceleration IEC 60068-2-27  |

## Ordering and shipping details

|                       |                                         |
|-----------------------|-----------------------------------------|
| Category              | 22469 - PUSHBUTTON,22MM ACCESSORIES-NEW |
| Discount Schedule     | CS2                                     |
| GTIN                  | 03389110925838                          |
| Nbr. of units in pkg. | 1                                       |
| Package weight(Lbs)   | 1.38 Oz (39 g)                          |
| Returnability         | Yes                                     |
| Country of origin     | FR                                      |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Package 1 Height             | 1.34 In (3.4 cm)         |
| Package 1 width              | 1.77 In (4.5 cm)         |
| Package 1 Length             | 2.13 In (5.4 cm)         |
| Unit Type of Package 2       | BB1                      |
| Number of Units in Package 2 | 5                        |
| Package 2 Weight             | 6.88 Oz (195 g)          |
| Package 2 Height             | 1.34 In (3.4 cm)         |
| Package 2 width              | 1.77 In (4.5 cm)         |
| Package 2 Length             | 10.43 In (26.5 cm)       |
| Unit Type of Package 3       | S03                      |
| Number of Units in Package 3 | 300                      |
| Package 3 Weight             | 27.18 Lb(US) (12.327 kg) |
| Package 3 Height             | 11.81 In (30 cm)         |
| Package 3 width              | 11.81 In (30 cm)         |
| Package 3 Length             | 15.75 In (40 cm)         |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                 |
| California proposition 65  | WARNING: This product can expose you to chemicals including: 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                     |
| REACH free of SVHC         | Yes                                                                                                                                                                                                                                                                                   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                        |
| Toxic heavy metal free     | Yes                                                                                                                                                                                                                                                                                   |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                   |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                         |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                               |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.                                                                                                                                                          |

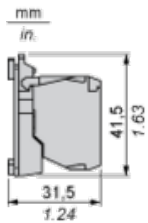
## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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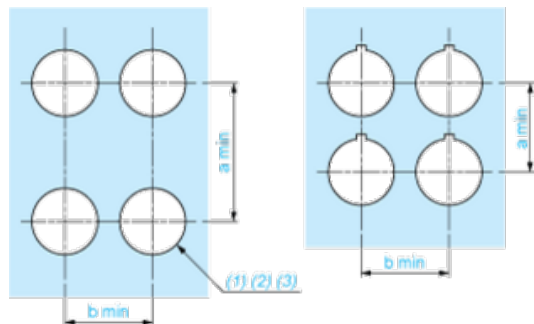
Dimensions

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Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

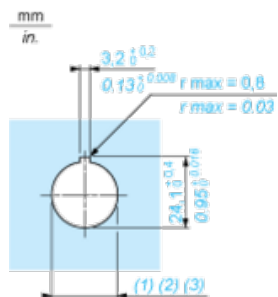
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



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

| 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 ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

Product Life Status : Commercialised