

# ZB4FK1853

Head for illuminated selector switch, Harmony XB4, flush mounted orange illum 3 pos return right to center



## Main

|                               |                                      |
|-------------------------------|--------------------------------------|
| Range of Product              | Harmony XB4                          |
| Product or Component Type     | Head for illuminated selector switch |
| Product Compatibility         | Integral LED                         |
| Device short name             | ZB4F                                 |
| Bezel material                | Chromium plated metal                |
| Head type                     | Built-in-flush                       |
| Mounting diameter             | 1.20 in (30.5 mm)                    |
| Sale per indivisible quantity | 1                                    |
| Shape of signaling unit head  | Round                                |
| Type of operator              | Right to centre spring return        |
| Operator profile              | Orange standard handle               |
| Operator position information | 3 positions +/- 45°                  |

## Complementary

|                                    |                                                                                                                                                                                                      |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                  | 1.44 in (36.6 mm)                                                                                                                                                                                    |
| CAD overall height                 | 1.44 in (36.6 mm)                                                                                                                                                                                    |
| CAD overall depth                  | 1.85 in (47 mm)                                                                                                                                                                                      |
| Net Weight                         | 0.17 lb(US) (0.078 kg)                                                                                                                                                                               |
| Resistance to high pressure washer | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                                                                                                                                        |
| Mechanical durability              | 500000 cycles                                                                                                                                                                                        |
| Electrical composition code        | M3 4 single front mounting integral LED<br>M6 2 single front mounting integral LED and transformer<br>M10 2 single front mounting integral LED<br>M4 4 single and double front mounting integral LED |
| Device presentation                | Basic element                                                                                                                                                                                        |

## 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)                                                                                                                       |
| Overvoltage category                  | Class I IEC 60536                                                                                                                                |
| IP degree of protection               | IP66 IEC 60529<br>IP67 IEC 60529<br>IP69 IEC 60529<br>IP69K ISO 20653<br>Type 13 UL 50 E<br>Type 12 UL 50 E<br>Type 4 UL 50 E<br>Type 4X UL 50 E |
| IK degree of protection               | IK06 IEC 50102                                                                                                                                   |

|                        |                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards              | CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>UL 508<br>EN/IEC 60947-1<br>JIS C8201-5-1<br>CE<br>JIS C8201-1                                                 |
| Product Certifications | UL Listed<br>CSA<br>CCC<br>EAC                                                                                                                                            |
| Vibration resistance   | 5 gn 10...500 Hz)IEC 60068-2-6<br>2 mm peak to peak 2...10 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<br>25 gn 6 ms) 1000 shocks on each axis IEC 60068-2-27 |

## Ordering and shipping details

|                       |                                     |
|-----------------------|-------------------------------------|
| Category              | 22468 - PUSHBUTTONS,22MM(METAL) NEW |
| Discount Schedule     | CS2                                 |
| GTIN                  | 3606489582357                       |
| Nbr. of units in pkg. | 1                                   |
| Package weight(Lbs)   | 2.75 oz (78 g)                      |
| Returnability         | No                                  |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 1.69 in (4.3 cm) |
| Package 1 width        | 2.05 in (5.2 cm) |
| Package 1 Length       | 2.17 in (5.5 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>                                                                                                                                                                                                                                               |

## Contractual warranty

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

## Dimensions



e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

(1) : Additional row of contacts

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

Connection by Screw Clamp Terminals or Plug-in Connectors



- (1) : Diameter on finished panel or support
- (2) : Ø30.75 mm recommended ( $\text{Ø}30.5 \text{ }_0^{+0.5}$ ) / Ø1.21 in. recommended ( $\text{Ø}1.20 \text{ in. }_0^{+0.0196}$ )

| Connections                                 | a in mm | a in in. | b in mm | b in in. |
|---------------------------------------------|---------|----------|---------|----------|
| By connectors                               | 50      | 1.97     | 40      | 1.57     |
| By connectors and with legend holder ZBZF32 | 50      | 1.97     | 40      | 1.57     |
| By connectors and with legend holder ZBZF33 | 60      | 2.36     | 40      | 1.57     |

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Electrical Composition Corresponding to Code M3

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Electrical Composition Corresponding to Code M4

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Electrical Composition Corresponding to Codes M6 and P2

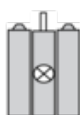
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Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2

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Legend

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Single contact

Double contact

Light block

Possible location



Sequence of Contacts Fitted to 3-position Selector Switch Body

Position 315°



|          |          |      |        |      |  |
|----------|----------|------|--------|------|--|
| Push     | Position | Top  |        |      |  |
| Bottom   |          |      |        |      |  |
| Location |          | Left | Right  |      |  |
| State    |          | 1    | 0      |      |  |
| Contacts | N/O      |      | closed | open |  |
| N/C      |          | open | closed |      |  |

Position 0°



|          |          |        |        |      |  |
|----------|----------|--------|--------|------|--|
| 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    |                                                                                   | 0                                                                                 | 1                                                                                 |                                                                                     |  |
| Contacts | N/O                                                                               |                                                                                   | open                                                                              | closed                                                                              |  |
| N/C      |                                                                                   | closed                                                                            | open                                                                              |                                                                                     |  |

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