# Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

# pilot light head ZB6CV4 sold by 100



ZB6CV4TQ

Discontinued on: 14 November 2014

### ① Discontinued

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| Range of product              | Harmony XB6          |
|-------------------------------|----------------------|
| Product or component type     | Head for pilot light |
| Product compatibility         | Integral LED         |
| Device short name             | ZB6                  |
| Bezel material                | Plastic              |
| Mounting diameter             | 16 mm                |
| Sale per indivisible quantity | 100                  |
| Shape of signaling unit head  | Square               |
| Cap/Operator or lens colour   | Red                  |

### **Environment**

| Environment                           |   |
|---------------------------------------|---|
| Protective treatment                  | TC  |
| Ambient air temperature for storage   | -4070 °C  |
| Ambient air temperature for operation | -2570 °C  |
| Electrical shock protection class     | Class II conforming to IEC 61140  |
| IP degree of protection               | IP65 conforming to IEC 60529  |
| NEMA degree of protection             | NEMA 13 conforming to UL 50 NEMA 4 conforming to UL 50 NEMA 4X conforming to UL 50 NEMA 13 conforming to CSA C22.2 No 94 NEMA 4 conforming to CSA C22.2 No 94 NEMA 4X conforming to CSA C22.2 No 94 NEMA 4X conforming to CSA C22.2 No 94 |
| Standards                             | JIS C 4520<br>UL 508<br>EN/IEC 60947-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-5<br>JIS C 852  |
| Product certifications                | CSA<br>GOST<br>UL<br>CCC  |
| Vibration resistance                  | +/- 3 mm (f= 2500 Hz) conforming to IEC 60068-2-6<br>5 gn (f= 2500 Hz) conforming to IEC 60068-2-6  |

Mar 21, 2023

30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 Shock resistance

### **Contractual warranty**

Warranty 18 months

# **Product data sheet**

# **ZB6CV4TQ**

**Dimensions Drawings** 

### **Square Head for Pilot Light**

### **Dimensions**





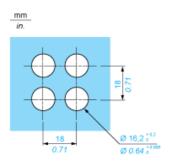
# **Product data sheet**

# **ZB6CV4TQ**

Mounting and Clearance

### **Panel Cut-out**

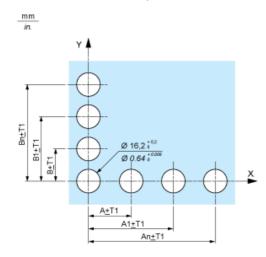
### For Square or Circular Head



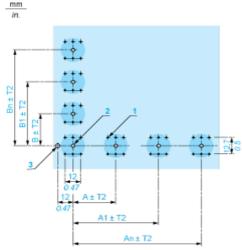
Mounting and Clearance

### Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

### Front Panel Cut-out (Viewed from Installer's Side)



### Printed Circuit Board Drillings (Viewed from Electrical Block Side)



- A B 24 mm/0.94 in. minimum for rectangular heads, 18 mm/0.71 in. minimum for square or circular heads
- 18 mm/0.71 in. minimum
- 6 x Ø 1.1 mm / 6 x Ø 0.04 in. holes. (1)
- (2) 1 x Ø  $2.6^{\circ}_{-0.2}$  mm / 1 x Ø  $0.10^{\circ}_{-0.008}$  in. hole for locating pin, only when using socket adaptor ZB6Y010.
- (3)  $1 \times \emptyset \ 3.2^{\circ}_{-0.2} \ \text{mm} \ / \ 1 \times \emptyset \ 0.13^{\circ}_{-0.008}$  in. hole for fixing of printed circuit board onto the front panel using body bracket ZB6Y011. This hole must be a constant of the fixed panel using body bracket ZB6Y011.

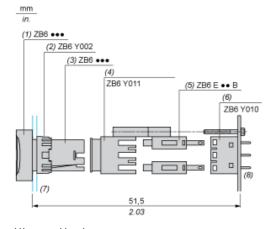
General tolerances of the panel and printed circuit board: T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum.

### Installation precautions:

Thickness of printed circuit board: 1.6 mm/0.06 in. minimum.

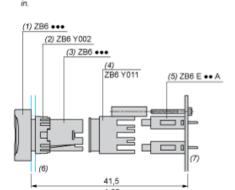
### **Mounting with Body Bracket**

### With socket adaptor ZB6Y010



- Head
- Nut
- Body
- (1) (2) (3) (4) (5) (6) Body bracket
- Contact block
- Socket adaptor
- Panel
- (7) (8) Printed circuit

### Direct mounting without socket adaptor ZB6Y010



- (1) (2) (3) (4) (5) (6) (7) Head
- Nut Body
- Body bracket Contact block Panel Printed circuit

### Recommended replacement(s)

ZB6CV4TQ is replaced by the following product range:



### **Harmony XB6**

 $\ensuremath{\text{\emph{Ø}}}$  16 mm plastic pushbuttons, switches, and pilot lights