

Product data sheet Characteristics

ZB6AV6TQ pilot light head ZB6AV6 sold by 100



Main Range of product Harmony XB6 Product or component Head for pilot light Product compatibility Integral LED ZB6 Device short name Bezel material Plastic Mounting diameter 16 mm Sale per indivisible 100 quantity Shape of signaling unit Round head Cap/operator or lens Blue

Environment

Protective treatment TC		
Ambient air temperature for operation -2570 °C Electrical shock protection class Class II conforming to IEC 61140 IP degree of protection NEMA 13 conforming to UL 50 NEMA 4 conforming to UL 50 NEMA 4 conforming to UL 50 NEMA 43 conforming to UL 50 NEMA 13 conforming to US 50 NEMA 13 conforming to US 50 NEMA 13 conforming to US 50 NEMA 13 conforming to CSA C22.2 No 94 NEMA 13 conforming to CSA C22.2 No 94 NEMA 4 conforming to CSA C22.2 No 94 NEMA 4 conforming to CSA C22.2 No 94 NEMA 4 conforming to CSA C22.2 No 94 Standards CSA C22.2 No 14 JIS C 852 EN/IEC 60947-5-5 EN/IEC 60947-5-1 JIS C 4520 EN/IEC 60947-1 UL 508 Product certifications CCC[RETURN]UL[RETURN]CSA[RETURN]GOST Vibration resistance +/- 3 mm (f= 2500 Hz) conforming to IEC 60068-2-6 5 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-7 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC	Protective treatment	TC
Electrical shock protection class	Ambient air temperature for storage	-4070 °C
P 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 4X 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 NEMA 4X conforming to CSA C22.2 No 94 Standards CSA C22.2 No 14 JIS C 852 EN/IEC 60947-5-5 EN/IEC 60947-5-1 JIS C 4520 EN/IEC 60947-1 UL 508 Product certifications CCC[RETURN]UL[RETURN]CSA[RETURN]GOST Vibration resistance +/-3 mm (f= 2500 Hz) conforming to IEC 60068-2-6 5 gn (f= 2500 Hz) conforming to IEC 60068-2-6 5 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	Ambient air temperature for operation	-2570 °C
NEMA degree of protection NEMA 13 conforming to UL 50	Electrical shock protection class	Class II conforming to IEC 61140
NEMA 4 conforming to UL 50	IP degree of protection	IP65 conforming to IEC 60529
JIS C 852	NEMA degree of protection	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
Vibration resistance +/- 3 mm (f= 2500 Hz) conforming to IEC 60068-2-6 5 gn (f= 2500 Hz) conforming to IEC 60068-2-6 Shock resistance 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	Standards	JIS C 852 EN/IEC 60947-5-5 EN/IEC 60947-5-1 JIS C 4520 EN/IEC 60947-1
5 gn (f= 2500 Hz) conforming to IEC 60068-2-6 Shock resistance 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	Product certifications	CCC[RETURN]UL[RETURN]CSA[RETURN]GOST
60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC	Vibration resistance	,
	Shock resistance	60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC

colour

Product data sheet Dimensions Drawings

ZB6AV6TQ

Circular Head for Pilot Light

Dimensions



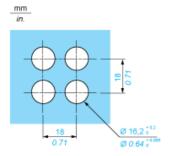


Product data sheet Mounting and Clearance

ZB6AV6TQ

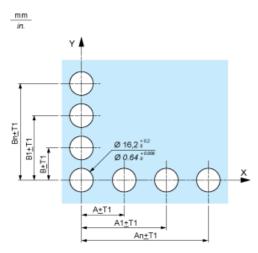
Panel Cut-out

For Square or Circular Head

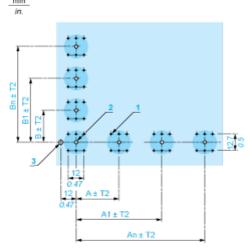


Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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



Printed Circuit Board Drillings (Viewed from Electrical Block Side)



- A 24 mm/0.94 in. minimum for rectangular heads, 18 mm/0.71 in. minimum for square or circular heads
- B 18 mm/0.71 in. minimum
- (1) 6 x Ø 1.1 mm / 6 x Ø 0.04 in. holes.
- (2) $1 \times \emptyset 2.6^{\circ}_{-0.2}$ mm / $1 \times \emptyset 0.10^{\circ}_{-0.008}$ in. hole for locating pin, only when using socket adaptor ZB6Y010.
- (3) 1 x Ø 3.2⁰ _{-0.2} mm / 1 x Ø 0.13⁰ _{-0.008} in. hole for fixing of printed circuit board onto the front panel using body bracket ZB6Y011. This hole must be drilled on the left-hand side, when heads are positioned at the normal angle. Fit a body bracket ZB6Y011 every 72 mm/2.83 in. maximum for cut-outs on 24 mm/0.94 in. centres (rectangular heads) and 54 mm/2.13 in. maximum for cut-outs on 18 mm/0.71 in. centres (square or circular heads).

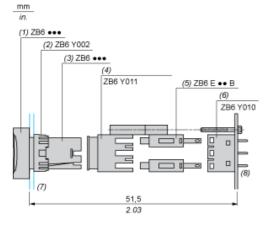
General tolerances of the panel and printed circuit board: T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum.

Installation precautions:

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

Mounting with Body Bracket

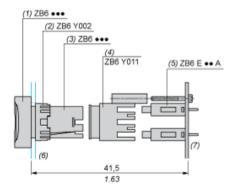
With socket adaptor ZB6Y010



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