



# rectangular selector switch head Ø16 3-position spring return Key 200

ZB6DGR

Discontinued on: 1 Nov 2020



### Main

Range Of Product	Harmony XB6	
Product Or Component Type	Head for key selector switch	
Device Short Name	ZB6	
Bezel Material	Plastic	
Mounting Diameter	16 mm	
Sale Per Indivisible Quantity	isible Quantity 1	
Shape Of Signaling Unit Head	Head Rectangular	
Type Of Operator	Right to centre spring return	
Operator Profile	e Black key switch	
Operator Position Information	3 positions	
Type Of Keylock	Key 200	
Key Withdrawal Position Center		

### **Complementary**

Cad Overall Width	24 mm	
Cad Overall Height	18 mm	
Cad Overall Depth	55 mm	

### **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

Standards	EN/IEC 60947-5-1 CSA C22.2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-5 JIS C 852 UL 508 JIS C8201-5-1 JIS C8201-1
Product Certifications	CCC GOST UL CSA
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 60068-2-27

# **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

# Well-being performance

<b>⊘</b>	Reach Free Of Svhc	
<b>Ø</b>	Toxic Heavy Metal Free	
<b>9</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

## **Certifications & Standards**

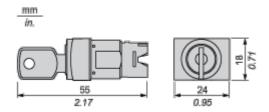
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

# **ZB6DGR**

# **Dimensions Drawings**

# Rectangular Head for Key Switch

### **Dimensions**



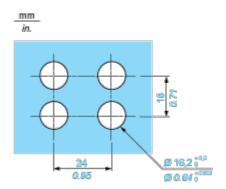
# **Product datasheet**

# **ZB6DGR**

Mounting and Clearance

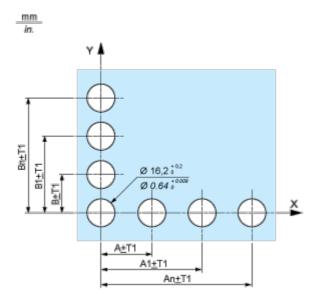
# Panel Cut-out

### For Rectangular Head

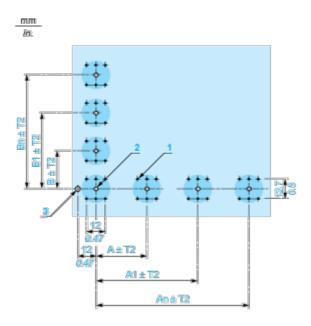


### Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

### 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.
- $(2) \qquad 1~x~\varnothing~2.6^{0}_{~-0.2}~mm~/~1~x~\varnothing~0.10^{0}_{~-0.008}~in.~hole~for~locating~pin,~only~when~using~socket~adaptor~ZB6Y010.$
- (3)  $1 \times \varnothing 3.2^{0}_{-0.2}$  mm /  $1 \times \varnothing 0.13^{0}_{-0.008}$  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:

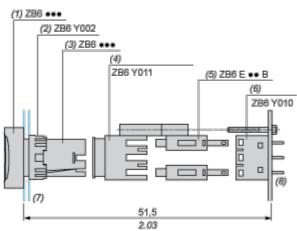
# **ZB6DGR**

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

#### **Mounting with Body Bracket**

#### With socket adaptor ZB6Y010

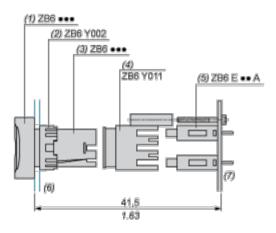




- (1) Head
- (2) Nut
- (3) Body
- (4) Body bracket
- (5) Contact block
- (6) Socket adaptor
- (7) Panel
- (8) Printed circuit

#### Direct mounting without socket adaptor ZB6Y010





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