

Product data sheet

Characteristics

ZB4BR216

Cap Ciuperca Ø60, Ø22, Negru, cu Revenire



Principal

Gama de produse	Harmony XB4
Tip produs sau componenta	Cap pentru buton neiluminat
Nume scurt al dispozitivului	ZB4
Material rama	Metal cromat
Diametrul de montaj	22 mm
Cantitate indivizibila de vanzare	1
Tip cap	Standard
Forma a capului unitatii de semnalizare	Hemisferic
Tip de operator	Revenire cu arc
Profil utilizator	Negru ciupercă Ø 60 mm, nemarcat
Capac/operator sau culoare lentila	Negru

Suplimentar

CAD latime globala	60 mm
CAD inaltime globala	60 mm
CAD adancime globala	45 mm
Durabilitate mecanica	5000000 cic
Cod compozitie electrica	C11 pentru <3 contacte utilizand monofilar bloc in montajin fata C15 pentru <1 contacte utilizand monofilar bloc in montajin fata C3 pentru <6 contacte utilizand monofilar bloc in montajin fata C4 pentru <6 contacte utilizand single and double bloc in montajin fata
Prezentare dispozitiv	Element de baza

Mediu

Tratament protector	TH
Temperatura ambietala pentru depozitare	-40...70 °C
Temperatura ambientalata de functionare	-40...70 °C
Categorie de supratensiune	Class I conformitate cu IEC 60536
Grad de protectie IP	IP66 conformitate cu SR EN 60529 IP67 IP69 IP69K
Grad de protectie NEMA	NEMA 13 NEMA 4X
Grad de protectie IK	IK03 conforming to IEC 50102
Standarde	EN/IEC 60947-5-4 CSA C22.2 No 15 JIS C8201-5-1 SR EN 60947-5-1 UL 60947-1 EN/IEC 60947-1 EN/IEC 60947-5-5 JIS C8201-1
Certificari produs	listat de UL[RETURN]BV[RETURN]LROS (Lloyds register of shipping) [RETURN]GL[RETURN]CSA[RETURN]DNV

Rezistentă la vibrații	5 gn (f= 2...500 Hz) conformitate cu IEC 60068-2-6
Rezistentă la socuri	30 gn (durată = 18 ms) pentru half sine wave acceleration conformitate cu IEC 60068-2-27 50 gn (durată = 11 ms) pentru half sine wave acceleration conformitate cu IEC 60068-2-27

Unitati de ambalare

Unitate de masura pentru prima forma de impachetare	PCE
Numar unitati in prima forma de impachetare	1
Inaltime prima forma de impachetare	7,0 cm
Latime prima forma de impachetare	7,0 cm
Lungime prima forma de impachetare	9,0 cm
Greutate prima forma de impachetare	70,0 g
Unitate de masura pentru a doua forma de impachetare	S03
Numar unitati in a doua forma de impachetare	40
Inaltime a doua forma de impachetare	30 cm
Latime a doua forma de impachetare	30 cm
Lungime a doua forma de impachetare	40 cm
Greutate a doua forma de impachetare	3,285 kg

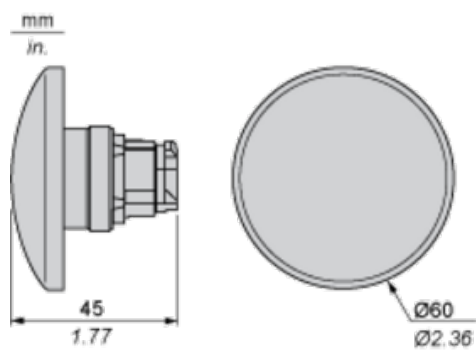
Sustenabilitatea ofertei

Regulamentul REACH	Declaratia REACH
Conform REACH fara SVHC	Da
Directiva RoHS UE	Conformitate proactivă (Produs în afara domeniului de aplicare a EU RoHS) Declaratia RoHS UE
Fara metale grele toxice	Da
Fara mercur	Da
Regulamentul RoHS China	Declaratia RoHS China
Informatii privind scutirea de la RoHS	Da

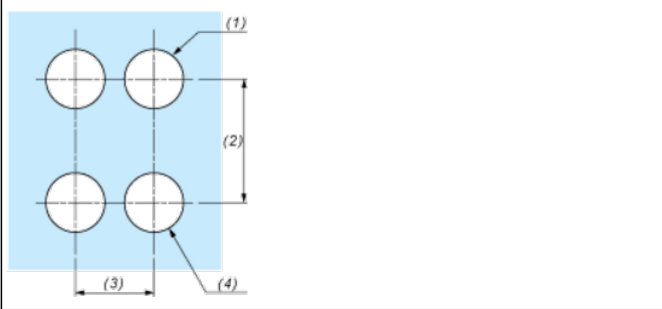
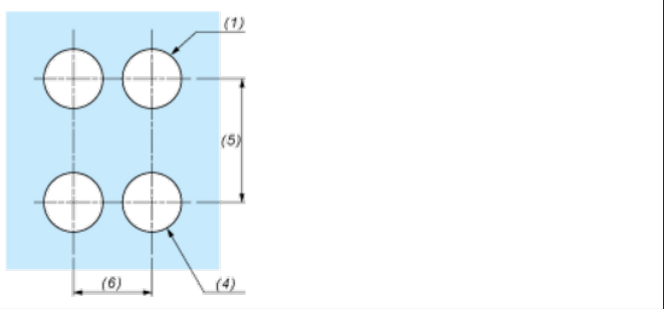
Garantie contractuala

Garantie	18 luni
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Dimensions

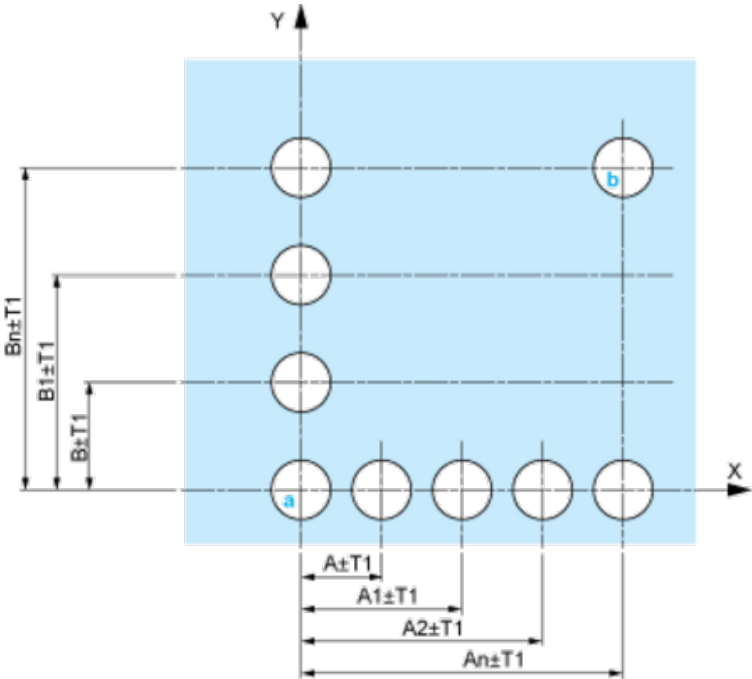


Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board	Connection by Faston Connectors
	
(1) Diameter on finished panel or support (2) 40 mm min. / 1.57 in. min. (3) 30 mm min. / 1.18 in. min. (4) $\varnothing 22.5 \text{ mm}$ / 0.89 in. recommended ($\varnothing 22.3 \text{ mm}_0^{+0.4}$ / $0.88 \text{ in.}_0^{+0.016}$) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.	

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

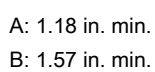
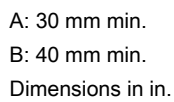
Panel Cut-outs (Viewed from Installer's Side)



A: 30 mm min. / 1.18 in. min.
B: 40 mm min. / 1.57 in. min.

Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

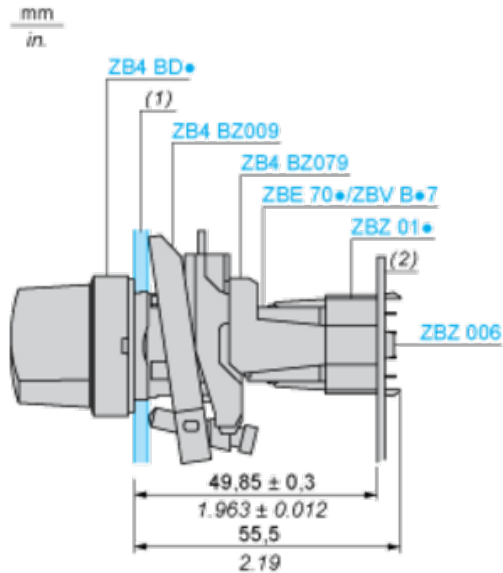
Dimensions in mm



Installation Precautions

- Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- Cut-out diameter: 22.4 mm $\pm$ 0.1 / 0.88 in. $\pm$ 0.004
- Orientation of body/fixing collar ZB4 BZ009: $\pm 2^\circ 30'$ (excluding cut-outs marked a and b).
- Tightening torque of screws ZBZ 006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB4 BZ079 fixing collar/pillar and its fixing screws:
 - every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
 - with each selector switch head (ZB4 BD•, ZB4 BJ•, ZB4 BG•).

The fixing centers marked a and b are diagonally opposed and must align with those marked 4 and 5.



(1) Panel

(2) Printed circuit board

Mounting of Adapter (Socket) ZBZ 01•

- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole $\varnothing$ 2.4 mm $\pm$ 0.05 / 0.09 in. $\pm$ 0.002 for centring adapter ZBZ 01•
- 3 8 $\times$ $\varnothing$ 1.2 mm / 0.05 in. holes
- 4 1 hole $\varnothing$ 2.9 mm $\pm$ 0.05 / 0.11 in. $\pm$ 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked b)
- 6 4 holes $\varnothing$ 2.4 mm / 0.09 in. for clipping in adapter ZBZ 01•

Dimensions An + 18.1 relate to the $\varnothing$ 2.4 mm $\pm$ 0.05 / 0.09 in. $\pm$ 0.002 holes for centring adapter ZBZ 01•.

Electrical Composition Corresponding to Code C3



Electrical Composition Corresponding to Code C4

Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1

Electrical Composition Corresponding to Code C15

1 N/O

1 N/C

1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C

Legend

Single contact

Double contact

Light block

Possible location

