

Product data sheet

Characteristics

ZB4BPA4

Cap de Buton Incastrat Rosu Ø 22, Revenire cu Arc, Nemarcat



Principal

Gama de produse	Harmony XB4
Tip produs sau componenta	Cap pentru buton neiluminat
Nume scurt al dispozitivului	ZB4
Compatibilitate produs	Not compatible with legend holder
Material rama	Metal cromat
Diametrul de montaj	22,5 mm
Cantitate indivizibila de vanzare	1
Tip cap	Standard
Forma a capului unitatii de semnalizare	Rotund
Tip de operator	Revenire cu arc
Profil utilizator	Rosu Incastrat, nemarcat
Informatii suplimentare operator	Invelis transparent
Capac/operator sau culoare lentila	Rosu

Suplimentar

CAD latime globala	30 mm
CAD inaltime globala	30 mm
CAD adancime globala	37 mm
Durabilitate mecanica	10000000 cic
Prezentare dispozitiv	Element de baza

Mediu

Tratament protector	TH
Temperatura ambietala pentru depozitare	-40...70 °C
Temperatura ambientala 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
Grad de protectie NEMA	NEMA 13 NEMA 4X
Grad de protectie IK	IK06 conforming to IEC 50102
Standarde	SR EN 60947-5-4 IEC 60947-1 CSA C22.2 No 15 SR EN 60947-5-1 UL 60947-1 JIS C8201-5-1 IEC 60947-5-5 JIS C8201-1
Certificari produs	listat de UL[RETURN]DNV[RETURN]LR0S (Lloyds register of shipping) [RETURN]JGL[RETURN]CSA[RETURN]BV

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
Înălțime prima forma de impachetare	3,6 cm
Latime prima forma de impachetare	5 cm
Lungime prima forma de impachetare	3,2 cm
Greutate prima forma de impachetare	30 g
Unitate de masura pentru a doua forma de impachetare	BB1
Numar unitati in a doua forma de impachetare	5
Înălțime a doua forma de impachetare	4,4 cm
Latime a doua forma de impachetare	26,5 cm
Lungime a doua forma de impachetare	3,4 cm
Greutate a doua forma de impachetare	155 g
Unitate de masura pentru a treia forma de impachetare	S02
Numar unitati in a treia forma de impachetare	100
Înălțime a treia forma de impachetare	15 cm
Latime a treia forma de impachetare	30 cm
Lungime a treia forma de impachetare	40 cm
Greutate a treia forma de impachetare	3,383 kg

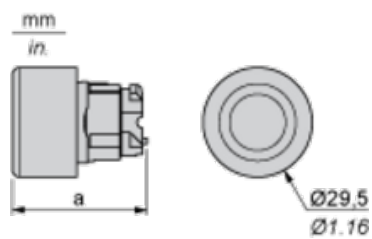
Sustenabilitatea ofertei

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 months
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Dimensions



	a in mm	a in in.
ZB4BP••	36.5	1.44
ZB4BP•S	33	1.30
ZB4BP•83	32	1.26
ZB4BP•	35	1.38

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 mm / 0.89 in. recommended ($\varnothing$ 22.3 mm $_0^{+0.4}$ / 0.88 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



A: 30 mm min.
B: 40 mm min.
Dimensions in in.



A: 1.18 in. min.
B: 1.57 in. min.

General Tolerances of the Panel and Printed Circuit Board

The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

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•.