



Presentazione

Gamma prodotto	Harmony XB5
Tipo prodotto	Testa pulsante non luminoso
Nome dispositivo	ZB5
Materiale testa	Dark grey plastic
Diametro di montaggio	22 mm
Tipo di testa	Standard
Vendita quantità indivisibile	1
Forma della testa	Circolare
Tipo di operatore	Ad impulso
Tipo operatore	Nero sporgente, O (bianco)

Caratteristiche tecniche

Larghezza totale CAD	29 mm
Altezza totale CAD	29 mm
Profondità totale CAD	33 mm
Peso prodotto	0,019 kg
Durata meccanica	10000000 cicli
Nome stazione	XALD 1...5 fori XALK 2...5 fori
Codice di composizione elettrico	C1 per <9 contattisingolo in Montaggio anteriore diretto sul pulsante C2 per <9 contattisingolo e doppio in Montaggio anteriore diretto sul pulsante C11 per <3 contattisingolo in Montaggio anteriore diretto sul pulsante C15 per <1 contattisingolo in Montaggio anteriore diretto sul pulsante SF1 per <3 contattisingolo in Montaggio anteriore diretto sul pulsante SR1 per <3 contattisingolo in Montaggio posteriore su fondo della pulsantiera
Device presentation	Prodotti base

Ambiente

Trattamento di protezione	TH
Temperatura di stoccaggio	-40...70 °C
Temperatura ambiente	-40...70 °C
Categoria di sovratensione	Classe II conforme a IEC 60536
Grado di protezione IP	IP66 conforme a IEC 60529 IP67 IP69 IP69K
Grado di protezione NEMA	NEMA 13 NEMA 4X
Resistenza al lavaggio ad alta pressione	7000000 Pa a 55 °C, distanza: 0,1 m
Grado di protezione IK	IK03 conforme a IEC 50102
Norme di riferimento	CSA C22.2 No 14 EN/IEC 60947-5-1 JIS C8201-5-1 EN/IEC 60947-1 EN/IEC 60947-5-4 UL 508 JIS C8201-1
Certificazioni prodotto	LROS (Lloyds Register of shipping) BV GL DNV CSA UL listed / CSA

Tenuta agli urti	30 gn (durata = 18 ms) per accelerazione a mezza onda sinusoidale conforme a IEC 60068-2-27 50 gn (durata = 11 ms) per accelerazione a mezza onda sinusoidale conforme a IEC 60068-2-27
Resistenza alle vibrazioni	5 gn (F= 2...500 Hz) conforme a IEC 60068-2-6

Confezionamenti

Unità di misura confezione 1	PCE
Numero di unità per confezione 1	1
Confezione 1: altezza	0,5 cm
Confezione 1: larghezza	4,3 cm
Confezione 1: profondità	5,3 cm
Confezione 1: peso	18 g
Unità di misura confezione 2	BB1
Numero di unità per confezione 2	5
Confezione 2: altezza	3,4 cm
Confezione 2: larghezza	4,4 cm
Confezione 2: profondità	5,4 cm
Confezione 2: peso	93 g
Unità di misura confezione 3	S03
Numero di unità per confezione 3	300
Confezione 3: altezza	30 cm
Confezione 3: larghezza	30 cm
Confezione 3: profondità	40 cm
Confezione 3: peso	5,973 kg

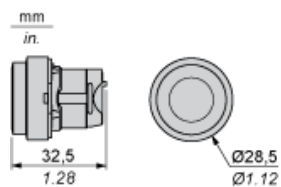
Sostenibilità dell'offerta

Stato offerta sostenibile	Prodotto Green Premium
Regolamento REACh	Dichiarazione REACh
REACh senza SVHC	Sì
Direttiva RoHS UE	Conformità proattiva (prodotto al di fuori dell'ambito legale di RoHS Unione europea) EU RoHS Dichiarazione
Senza mercurio	Sì
Regolamento RoHS della Cina	Dichiarazione RoHS Della Cina
Informazioni esenzioni RoHS	Sì
Informazioni ambientali	Profilo Ambientale Del Prodotto
Profilo di circolarità	Informazioni Sulla Fine Della Vita

Garanzia contrattuale

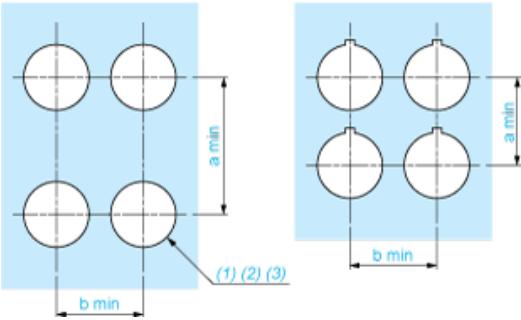
Garanzia	18 months
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Dimensioni



Apertura pannello per pulsanti, interruttori e spie (Fori finiti, pronti per installazione)

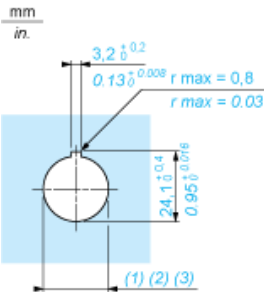
Connessione tramite morsetti o connettori plug-in o scheda circuito stampato



- (1) Diametro su supporto o pannello finito
(2) Per interruttori selettore e pulsanti di arresto di Emergenza, si consiglia di utilizzare la piastra antirotazione di tipo ZB5AZ902.
(3) Ø22,5 mm consigliato (Ø22,3₀^{+0.4}) / Ø0.89 in. consigliato (Ø0.88 in.₀^{+0.016})

Collegamenti	a in mm	a in pollici	b in mm	b in pollici
Tramite morsetti o connettore plug-in	40	1.57	0	1.18
Tramite connettori Faston	45	1.77	32	1.26
Su scheda circuito stampato	0	1.18	0	1.18

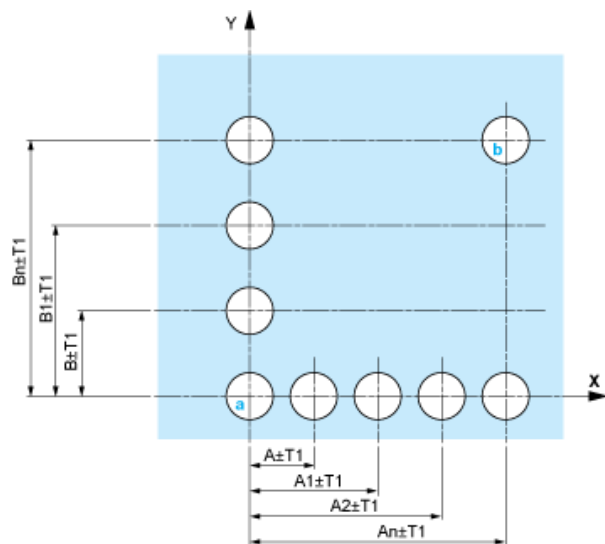
Dettaglio vano capocorda



- (1) Diametro su supporto o pannello finito
(2) Per interruttori selettore e pulsanti di arresto di Emergenza, si consiglia di utilizzare la piastra antirotazione di tipo ZB5AZ902.
(3) Ø22,5 mm consigliato (Ø22,3₀^{+0.4}) / Ø0.89 in. consigliato (Ø0.88 in.₀^{+0.016})

Pulsanti, interruttori e spie per connessione scheda a circuito stampato

Aperture del pannello (viste dal lato dell'installatore)

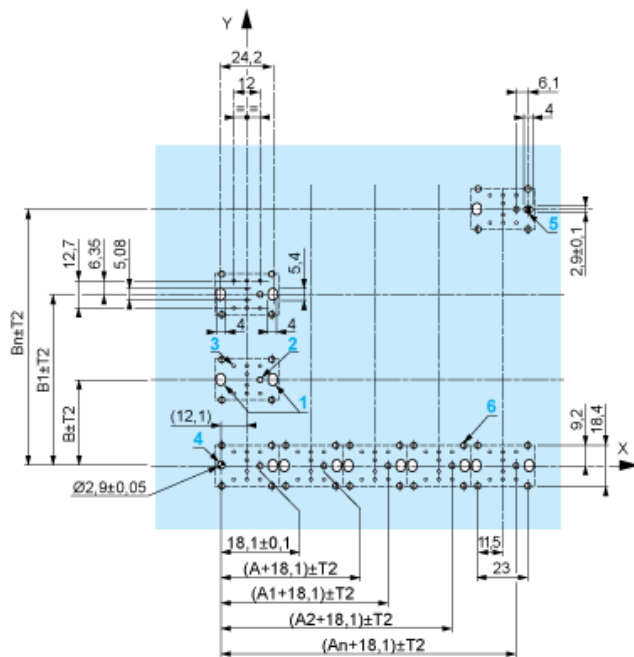


A: 30 mm min./1,18 pollici min.

B: 40 mm min./1,57 pollici min.

Aperture della scheda a circuito stampato (viste dal lato del blocco elettrico)

Dimensioni in mm



A: 30 mm min.

B: 40 mm min.

Technical drawing of a mechanical part, showing a top view and a cross-section view. The part is a rectangular plate with a central horizontal slot and a vertical slot. The drawing includes various dimensions and tolerances.

Top View Dimensions:

- Overall width: $B \pm T2$
- Overall height: $B1 \pm T2$
- Central horizontal slot width: 0.11 ± 0.002
- Central horizontal slot depth: 0.71 ± 0.004
- Vertical slot width: 0.16
- Vertical slot depth: 0.21
- Horizontal distance from left edge to vertical slot center: 0.16
- Horizontal distance from vertical slot center to right edge: 0.16
- Horizontal distance from left edge to first hole center: 0.5
- Horizontal distance between first and second hole centers: 0.25
- Horizontal distance between second and third hole centers: 0.2
- Horizontal distance from third hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to fourth hole center: 0.16
- Horizontal distance from fourth hole center to right edge: 0.16
- Horizontal distance from left edge to fifth hole center: 0.5
- Horizontal distance between fifth and sixth hole centers: 0.25
- Horizontal distance between sixth and seventh hole centers: 0.2
- Horizontal distance from seventh hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to eighth hole center: 0.16
- Horizontal distance from eighth hole center to right edge: 0.16
- Horizontal distance from left edge to ninth hole center: 0.5
- Horizontal distance between ninth and tenth hole centers: 0.25
- Horizontal distance between tenth and eleventh hole centers: 0.2
- Horizontal distance from eleventh hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to twelfth hole center: 0.16
- Horizontal distance from twelfth hole center to right edge: 0.16
- Horizontal distance from left edge to thirteenth hole center: 0.5
- Horizontal distance between thirteenth and fourteenth hole centers: 0.25
- Horizontal distance between fourteenth and fifteenth hole centers: 0.2
- Horizontal distance from fifteenth hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to sixteenth hole center: 0.16
- Horizontal distance from sixteenth hole center to right edge: 0.16
- Horizontal distance from left edge to seventeenth hole center: 0.5
- Horizontal distance between seventeenth and eighteenth hole centers: 0.25
- Horizontal distance between eighteenth and nineteenth hole centers: 0.2
- Horizontal distance from nineteenth hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to twentieth hole center: 0.16
- Horizontal distance from twentieth hole center to right edge: 0.16
- Horizontal distance from left edge to twenty-first hole center: 0.5
- Horizontal distance between twenty-first and twenty-second hole centers: 0.25
- Horizontal distance between twenty-second and twenty-third hole centers: 0.2
- Horizontal distance from twenty-third hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to twenty-fourth hole center: 0.16
- Horizontal distance from twenty-fourth hole center to right edge: 0.16
- Horizontal distance from left edge to twenty-fifth hole center: 0.5
- Horizontal distance between twenty-fifth and twenty-sixth hole centers: 0.25
- Horizontal distance between twenty-sixth and twenty-seventh hole centers: 0.2
- Horizontal distance from twenty-seventh hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to twenty-eighth hole center: 0.16
- Horizontal distance from twenty-eighth hole center to right edge: 0.16
- Horizontal distance from left edge to twenty-ninth hole center: 0.5
- Horizontal distance between twenty-ninth and thirtieth hole centers: 0.25
- Horizontal distance between thirtieth and thirty-first hole centers: 0.2
- Horizontal distance from thirty-first hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to thirty-second hole center: 0.16
- Horizontal distance from thirty-second hole center to right edge: 0.16
- Horizontal distance from left edge to thirty-third hole center: 0.5
- Horizontal distance between thirty-third and thirty-fourth hole centers: 0.25
- Horizontal distance between thirty-fourth and thirty-fifth hole centers: 0.2
- Horizontal distance from thirty-fifth hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to thirty-sixth hole center: 0.16
- Horizontal distance from thirty-sixth hole center to right edge: 0.16
- Horizontal distance from left edge to thirty-seventh hole center: 0.5
- Horizontal distance between thirty-seventh and thirty-eighth hole centers: 0.25
- Horizontal distance between thirty-eighth and thirty-ninth hole centers: 0.2
- Horizontal distance from thirty-ninth hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to fortieth hole center: 0.16
- Horizontal distance from fortieth hole center to right edge: 0.16
- Horizontal distance from left edge to forty-first hole center: 0.5
- Horizontal distance between forty-first and forty-second hole centers: 0.25
- Horizontal distance between forty-second and forty-third hole centers: 0.2
- Horizontal distance from forty-third hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to forty-fourth hole center: 0.16
- Horizontal distance from forty-fourth hole center to right edge: 0.16
- Horizontal distance from left edge to forty-fifth hole center: 0.5
- Horizontal distance between forty-fifth and forty-sixth hole centers: 0.25
- Horizontal distance between forty-sixth and forty-seventh hole centers: 0.2
- Horizontal distance from forty-seventh hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to forty-eighth hole center: 0.16
- Horizontal distance from forty-eighth hole center to right edge: 0.16
- Horizontal distance from left edge to forty-ninth hole center: 0.5
- Horizontal distance between forty-ninth and fiftieth hole centers: 0.25
- Horizontal distance between fiftieth and fifty-first hole centers: 0.2
- Horizontal distance from fifty-first hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to fifty-second hole center: 0.16
- Horizontal distance from fifty-second hole center to right edge: 0.16
- Horizontal distance from left edge to fifty-third hole center: 0.5
- Horizontal distance between fifty-third and fifty-fourth hole centers: 0.25
- Horizontal distance between fifty-fourth and fifty-fifth hole centers: 0.2
- Horizontal distance from fifty-fifth hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to fifty-sixth hole center: 0.16
- Horizontal distance from fifty-sixth hole center to right edge: 0.16
- Horizontal distance from left edge to fifty-seventh hole center: 0.5
- Horizontal distance between fifty-seventh and fifty-eighth hole centers: 0.25
- Horizontal distance between fifty-eighth and fifty-ninth hole centers: 0.2
- Horizontal distance from fifty-ninth hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to sixtyth hole center: 0.16
- Horizontal distance from sixtyth hole center to right edge: 0.16
- Horizontal distance from left edge to sixty-first hole center: 0.5
- Horizontal distance between sixty-first and sixty-second hole centers: 0.25
- Horizontal distance between sixty-second and sixty-third hole centers: 0.2
- Horizontal distance from sixty-third hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to sixty-fourth hole center: 0.16
- Horizontal distance from sixty-fourth hole center to right edge: 0.16
- Horizontal distance from left edge to sixty-fifth hole center: 0.5
- Horizontal distance between sixty-fifth and sixty-sixth hole centers: 0.25
- Horizontal distance between sixty-sixth and sixty-seventh hole centers: 0.2
- Horizontal distance from sixty-seventh hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to sixty-eighth hole center: 0.16
- Horizontal distance from sixty-eighth hole center to right edge: 0.16
- Horizontal distance from left edge to sixty-ninth hole center: 0.5
- Horizontal distance between sixty-ninth and seventieth hole centers: 0.25
- Horizontal distance between seventieth and seventy-first hole centers: 0.2
- Horizontal distance from seventy-first hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to seventy-second hole center: 0.16
- Horizontal distance from seventy-second hole center to right edge: 0.16
- Horizontal distance from left edge to seventy-third hole center: 0.5
- Horizontal distance between seventy-third and seventy-fourth hole centers: 0.25
- Horizontal distance between seventy-fourth and seventy-fifth hole centers: 0.2
- Horizontal distance from seventy-fifth hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to seventy-sixth hole center: 0.16
- Horizontal distance from seventy-sixth hole center to right edge: 0.16
- Horizontal distance from left edge to seventy-seventh hole center: 0.5
- Horizontal distance between seventy-seventh and seventy-eighth hole centers: 0.25
- Horizontal distance between seventy-eighth and seventy-ninth hole centers: 0.2
- Horizontal distance from seventy-ninth hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to eightieth hole center: 0.16
- Horizontal distance from eightieth hole center to right edge: 0.16
- Horizontal distance from left edge to eighty-first hole center: 0.5
- Horizontal distance between eighty-first and eighty-second hole centers: 0.25
- Horizontal distance between eighty-second and eighty-third hole centers: 0.2
- Horizontal distance from eighty-third hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to eighty-fourth hole center: 0.16
- Horizontal distance from eighty-fourth hole center to right edge: 0.16
- Horizontal distance from left edge to eighty-fifth hole center: 0.5
- Horizontal distance between eighty-fifth and eighty-sixth hole centers: 0.25
- Horizontal distance between eighty-sixth and eighty-seventh hole centers: 0.2
- Horizontal distance from eighty-seventh hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to eighty-eighth hole center: 0.16
- Horizontal distance from eighty-eighth hole center to right edge: 0.16
- Horizontal distance from left edge to eighty-ninth hole center: 0.5
- Horizontal distance between eighty-ninth and ninetieth hole centers: 0.25
- Horizontal distance between ninetieth and ninety-first hole centers: 0.2
- Horizontal distance from ninety-first hole center to vertical slot center: 0.16
- Horizontal distance from vertical slot center to ninety-second hole center: 0.16
- Horizontal distance from ninety-second hole center to right edge: 0.16
- Horizontal distance from left edge to ninety-third hole center: 0.5
- Horizontal distance between ninety-third and ninety-fourth hole centers: 0.25
- Horizontal distance between ninety-fourth and ninety-fifth hole centers: 0.2
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B: 1,57 pollici min.

La tolleranza cumulativa non deve superare 0,3 mm/0,012 pollici: $T1 + T2 = 0,3 \text{ mm max.}$

- Spessore minimo della scheda a circuito: 1,6 mm/0,06 pollici
- Diametro apertura: 22,4 mm $\pm$ 0,1/0,88 pollici $\pm$ 0,004
- Orientamento del collare di fissaggio/corpo ZB5AZ009: $\pm 2^\circ 30'$ (escluse le aperture contrassegnate a e b).
- Coppia di serraggio delle viti ZBZ006: 0,6 N.m (5,3 lbf.in) max.
- Lasciare spazio per un collare di fissaggio/sostegno ZB5AZ079 e relative viti:
 - ogni 90 mm/3,54 pollici in orizzontale (X) e 120 mm/4,72 pollici in verticale (Y).
 - con ogni commutatore (ZB5AD•, ZB5AJ•, ZB5AG•).

Technical drawing of the ZB5 AZ079 assembly. The drawing shows a cross-section of the assembly with various components labeled. The dimensions are given in mm and in. The dimensions are:

- 49.75 ± 0.3
- 1.96 ± 0.012
- 55.4 max
- 2 1/8 max

The components are labeled as follows:

- ZB5 AZ079
- ZBE 70●/ZBV B●7
- ZBZ 01●
- ZBZ 006

- (1) Testa ZB5AD•
- (2) Pannello
- (2) Dado
- (4) Scheda a circuito stampato

Montaggio dell'adattatore (Socket) ZBZ01•

- 1 2 fori allungati per accesso vite ZBZ006
- 2 1 foro $\varnothing$ 2,4 mm $\pm$ 0,05/0,09 pollici $\pm$ 0,002 per centrare l'adattatore ZBZ01•
- 3 8 $\times$ $\varnothing$ 1,2 mm/0,05 pollici fori
- 4 1 foro $\varnothing$ 2,9 mm $\pm$ 0,05/0,11 pollici $\pm$ 0,002, per l'allineamento della scheda a circuito stampato (con apertura contrassegnata a)
- 5 1 foro allungato per l'allineamento della scheda a circuito stampato (con apertura contrassegnata b)
- 6 4 fori $\varnothing$ 2,4 mm/0,09 pollici per ritagliare l'adattatore ZBZ01•

Dimensioni An + 18,1 rispetto a $\varnothing$ 2,4 mm $\pm$ 0,05/0,09 pollici $\pm$ 0,002 fori per centrare l'adattatore ZBZ01•

Composizione elettrica corrispondente al codice C1



Composizione elettrica corrispondente al codice C2

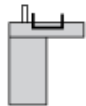


Composizione elettrica corrispondente ai codici C9, C11, SF1 e SR1

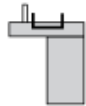


Composizione elettrica corrispondente al codice C15

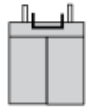
1 N/O



1 N/C



1 N/O + N/C o 1 N/O + N/O o 1 N/C + N/C



Elemento

Contatto singolo



Contatto doppio



Blocco luce



Posizione possibile

