



Ana

Ürün serisi	Harmony XB4
Ürün ya da bileşen tipi	Işıklı selektör anahtarı için başlık
Ürün uyumluluğu	Evrensel LED
Ürün grubu	ZB4
Şev malzemesi	Krom kaplı metal
Başlık tipi	Standard
Montaj çapı	22,5 mm
Bölünemez miktar başına satış	1
Sinyalleme birimi başlığı biçimi	Yuvarlak
Operatörün tipi	sabit
Operatör profili	Yeşil standart kol
Operatör konum bilgisi	2 konum 90°

Tamamlayıcı

CAD genel genişliği	29 mm
CAD genel yüksekliği	29 mm
CAD genel derinliği	43 mm
Ürün ağırlığı	0,036 kg
Yüksek basınçlı rondelaya direnç	7000000 Pa -de 55 °C, mesafe: 0,1 m
Mekanik dayanıklılık	1000000 cycles
Elektrik yapısı kodu	M3 için <4 kontaklar kullanılarak Tek bloklarön montajile entegre LED M6 için <2 kontaklar kullanılarak Tek bloklarön montajile entegre LED ve transformatör M10 için <2 kontaklar kullanılarak Tek bloklarön montajile entegre LED M4 için <4 kontaklar kullanılarak tek ve çift bloklarön montajile entegre LED
Cihaz sunumu	Temel elaman

Ortam

Koruyucu bakım	TH
Depolama ortam koşulları	-40...70 °C
Nominal çalışma ortam sıcaklığı	-40...70 °C
Aşırı gerilim kategorisi	Sınıf I 'e uygun IEC 60536
IP koruma derecesi	IP66 'e uygun IEC 60529 IP67 IP69 IP69K
NEMA koruma derecesi	NEMA 13 NEMA 4X
IK koruma derecesi	IK04 conforming to IEC 50102
Standartlar	IEC 60947-5-5 CSA C22.2 No 14 IEC 60947-5-1 JIS C8201-5-1 IEC 60947-1 IEC 60947-5-4 UL 508 JIS C8201-1

Ürün sertifikaları	UL listeli[RETURN]GL[RETURN]CSA[RETURN]DNV[RETURN]BV[RETURN]LROS (Lloyds register of shipping)
Titreşim direnci	5 gn (f= 2...500 Hz) 'e uygunIEC 60068-2-6
Darbe dayanımı	30 gn (süre = 18 ms) için yarım sinüs dalgası hızlandırma 'e uygunIEC 60068-2-27 50 gn (süre = 11 ms) için yarım sinüs dalgası hızlandırma 'e uygunIEC 60068-2-27

Paketleme üniteleri

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3,500 cm
Package 1 Width	5,300 cm
Package 1 Length	5,400 cm
Package 1 Weight	41,000 g
Unit Type of Package 2	S03
Number of Units in Package 2	250
Package 2 Height	30,000 cm
Package 2 Width	30,000 cm
Package 2 Length	40,000 cm
Package 2 Weight	10,725 kg
Unit Type of Package 3	P06
Number of Units in Package 3	2000
Package 3 Height	75,000 cm
Package 3 Width	60,000 cm
Package 3 Length	80,000 cm
Package 3 Weight	96,604 kg

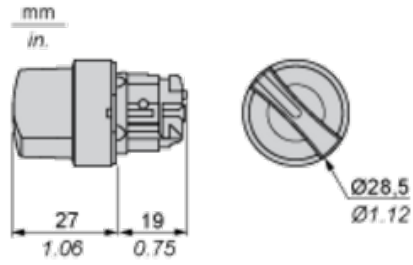
Sürdürülebilirlik Teklifi

Sürdürülebilirlik teklif durumu	Green Premium ürünü
REACH Düzenlemesi	REACH Bildirisi
REACH, SVHC içermez	Evet
EU RoHS Direktifi	Proaktif uyumluluk (Ürün, EU RoHS yasal kapsamında değil) EU RoHS Bildirisi
Toksik ağır metal içermez	Evet
Cıva içermez	Evet
Çin RoHS Düzenlemesi	Çin RoHS Beyanı
RoHS muafiyet bilgileri	Evet
Çevre Beyanı	Çevresel Ürün Profili
Döngüsellik Profili	Kullanım Sonu Bilgileri

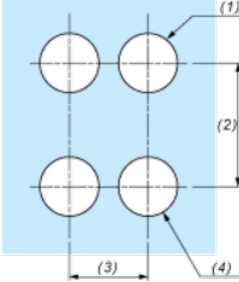
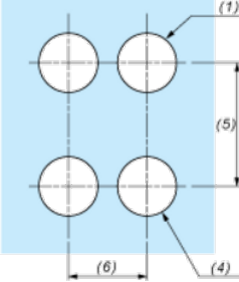
Sözleşme garantisi

Garanti	18 months
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Dimensions

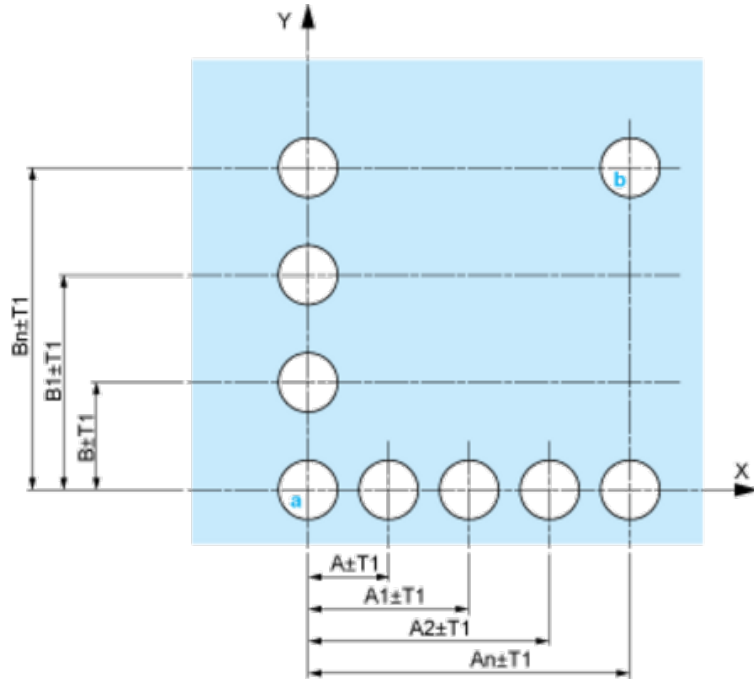


Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

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) $\varnothing 22.5 \text{ mm} / 0.89 \text{ in. recommended } (\varnothing 22.3 \text{ mm}_0^{+0.4} / 0.88 \text{ in.}_0^{+0.016})$ (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



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: $T1 + T2 = 0.3 \text{ mm max.}$

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

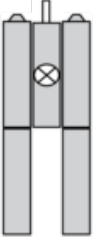
(2) Printed circuit board

Mounting of Adapter (Socket) ZBZ 01•

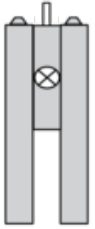
- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole $\varnothing$ 2.4 mm $\pm$ 0.05 / 0.09 in. $\pm$ 0.002 for centring adapter ZBZ 01•
- 3 8 $\times$ $\varnothing$ 1.2 mm / 0.05 in. holes
- 4 1 hole $\varnothing$ 2.9 mm $\pm$ 0.05 / 0.11 in. $\pm$ 0.002, for aligning the printed circuit board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

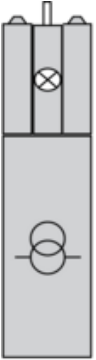
Electrical Composition Corresponding to Code M3



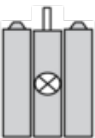
Electrical Composition Corresponding to Code M4



Electrical Composition Corresponding to Codes M6 and P2



Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



Legend

Single contact

Double contact

Light block

Possible location



Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°



Push	Position	Top			
Bottom					
Location		Left	Right		
State		0	0		
Contacts	N/O		open	open	
N/C		closed	closed		

Position 45°



Push	Position	Top			
Bottom					
Location		Left	Right		
State		1	1		
Contacts	N/O		closed	closed	
N/C		open	open		