Toote infoleht

Tehnilised andmed



Valikupea, Harmony XB4, metall, must, 22mm, 3 asendit, vedrutagastus vasakult keskele

ZB4BD7

Peamine

Tootesari	Harmony XB4
Toote või komponendi tüüp	Pea valikulüliti jaoks
Seadme lühinimi	ZB4
Raami materjal	Kroomitud metall
Paigaldusläbimõõt	22,5 mm
Pea tüüp	Standardne
Müük jagamatu koguse puhul	1
Signaalelemendi pea kuju	Ümmargune
Juhtimiselemendi tüüp	Vasakult keskele vedrutagastusega
Juhtimiselemendi profiil	must standardne käepide
Juhtimiselemendi positsiooni teave	3 asendit +/- 45°
Katte/operaatori või läätse värv	Must

Täiendav

CAD üldlaius	29 mm
CAD üldkõrgus	29 mm
CAD üldsügavus	44 mm
Toote kaal	0,04 kg
Vastupidavus kõrgsurvepesurile	7000000 Pa juures 55 °C , kaugus:0,1 m
Mehaaniline vastupidavus	1000000 tsüklid
Elektrilise koostise kood	C3 jaoks < 6 kontaktid kasutades üksik plokid sisse eeskinnitusega paigaldus C4 jaoks < 6 kontaktid kasutades ühe- ja kahekohalised plokid sisse eeskinnitusega paigaldus C5 jaoks < 5 kontaktid kasutades üksik plokid sisse eeskinnitusega paigaldus C6 jaoks < 5 kontaktid kasutades ühe- ja kahekohalised plokid sisse eeskinnitusega paigaldus C7 jaoks < 4 kontaktid kasutades üksik plokid sisse eeskinnitusega paigaldus C8 jaoks < 4 kontaktid kasutades ühe- ja kahekohalised plokid sisse eeskinnitusega paigaldus C11 jaoks < 3 kontaktid kasutades üksik plokid sisse eeskinnitusega paigaldus
Seadme esitlus	Lihtne element

Keskkond

Kaitsetöötlus	TH
Ladustamiseks lubatud ümbriseva õhu temperatuur	−40…70 °C
Tööks lubatud ümbritseva õhu temperatuur	−40…70 °C

Suurim lubatud võrreldavate toodete arv on täis. Avage jaotis Võrrelge tooteid #LINK# ja kustutage jätkamiseks mõni toode

Liigpinge kategooria	I klass vastavad IEC 60536
IP-kaitseaste	IP67 vastavad IEC 60529 IP69 IP69K
Enclosure Type	UL type 4X/13
IK kaitseaste	IK06 vastavad IEC 50102
Standardid	UL 508 JIS C8201-5-1 IEC 60947-1 IEC 60947-5-4 CSA C22.2 nr 14 IEC 60947-5-1 IEC 60947-5-5 JIS C8201-1
Tootesertifikaadid	BV CSA DNV LROS (Lloydsi laevaregister) UL-sertifitseeritud
Vibratsioonikindlus	5 gn (f= 2…500 Hz) vastavad IEC 60068-2-6
Löögikindlus	30 gn (kestus = 18 ms) jaoks poolsiinuslaine kiirendus vastavad IEC 60068-2-27 50 gn (kestus = 11 ms) jaoks poolsiinuslaine kiirendus vastavad IEC 60068-2-27

Pakendi suurused

Pakendi tüüp 1	PCE
Ühikute arv pakendis 1	1
Pakendi kõrgus 1	3,500 cm
Pakendi laius 1	5,400 cm
Pakendi pikkus 1	5,400 cm
Pakendi kaal 1	44,000 g
Pakendi tüüp 2	S02
Ühikute arv pakendis 2	100
Pakendi kõrgus 2	15,000 cm
Pakendi laius 2	30,000 cm
Pakendi pikkus 2	40,000 cm
Pakendi kaal 2	4,734 kg

Lepinguline garantii

Garantii (kuudes)	18

Environmental Data

Schneider Electric soovib saavutada nullilähedase võrgu aastaks 2050 tänu tarneahela partnerlusele, madalamatele löögimaterjalidele ja ringlusele meie käimasoleva kampaania „Kasuta paremini, kasuta kauem, kasuta uuesti” kaudu, et pikendada toote tööiga ja ringlussevõetavust.

Environmental Data selgitus >

Kuidas hindame toote jätkusuutlikkust >

Ökoloogiline jalajälg

Kogu elutsükli süsiniku jalajälg	**0.3 kg CO2 eq.**
Tootmisetapi süsiniku jalajälg [A1 kuni A3]	**0.3 kg CO2 eq.**
Jaotusetapi süsiniku jalajälg [A4]	**0 kg CO2 eq.**
Paigaldusetapi süsiniku jalajälg [A5]	**0 kg CO2 eq.**
Kasutusfaasi süsiniku jalajälg [B2, B3, B4, B6]	**0 kg CO2 eq.**
Eluea lõpu etapi süsiniku jalajälg [C1 kuni C4]	**0 kg CO2 eq.**

Use Better

Materjalid ja pakendid

Taaskasutatud plastisisalduse keskmine protsent	**66 %**
Keskmine taaskasutatud metallisisalduse protsent	**21 %**
Ringlussevõetud kartongist valmistatud pakend	**Ei**
Pakend ilma plastita	**Ei**
ELi RoHS-direktiiv	**Nõuetele**
REACh määrus	**Ei sisalda väga ohtlikke aineid üle piirmäära**

Use Longer

Kasutusaja pikendamine

Remont	**Ei**

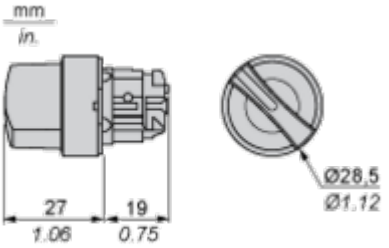
Use Again

Pakkige uuesti ja valmistage uuesti

Ringlusprofiil	**Kasutuselt kõrvaldamise teave**
Tagasivõtmine	**Jah**

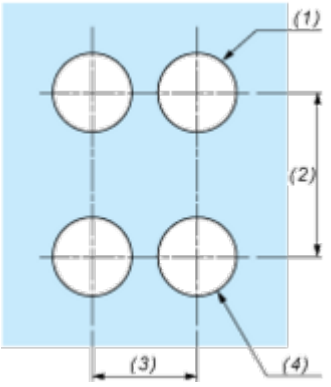
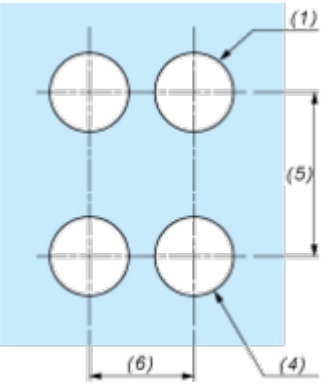
Dimensions Drawings

Dimensions



Mounting and Clearance

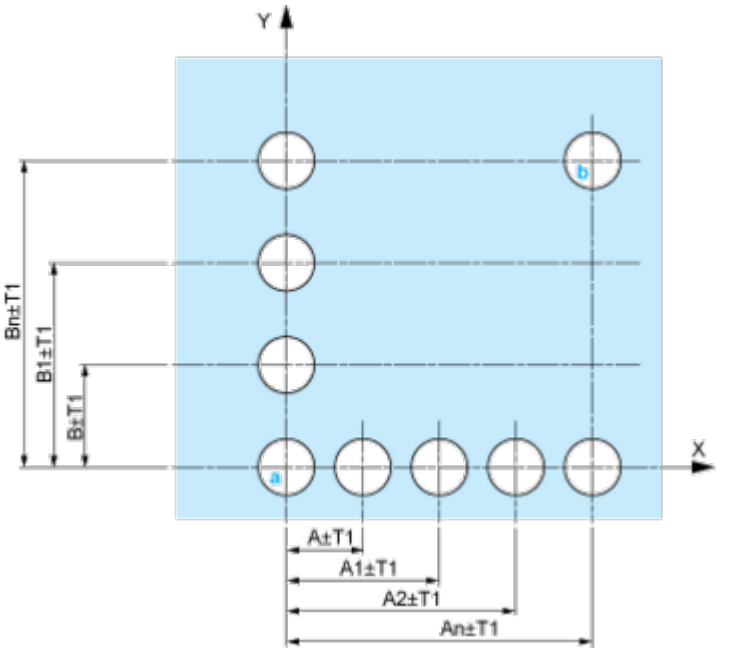
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

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) Ø 22.5 mm / 0.89 in. recommended (Ø 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

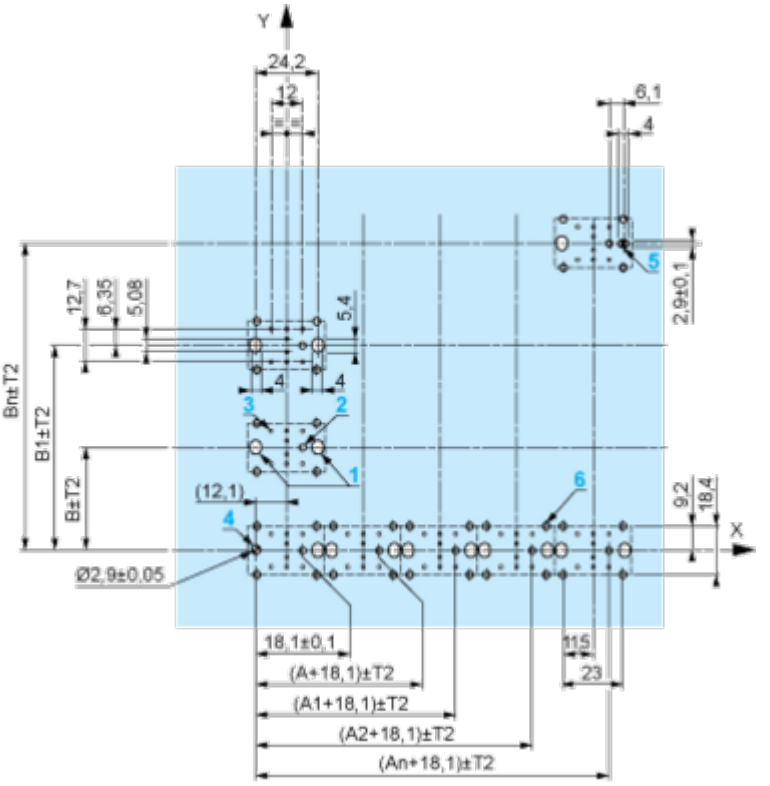
Panel Cut-outs (Viewed from Installer's Side)



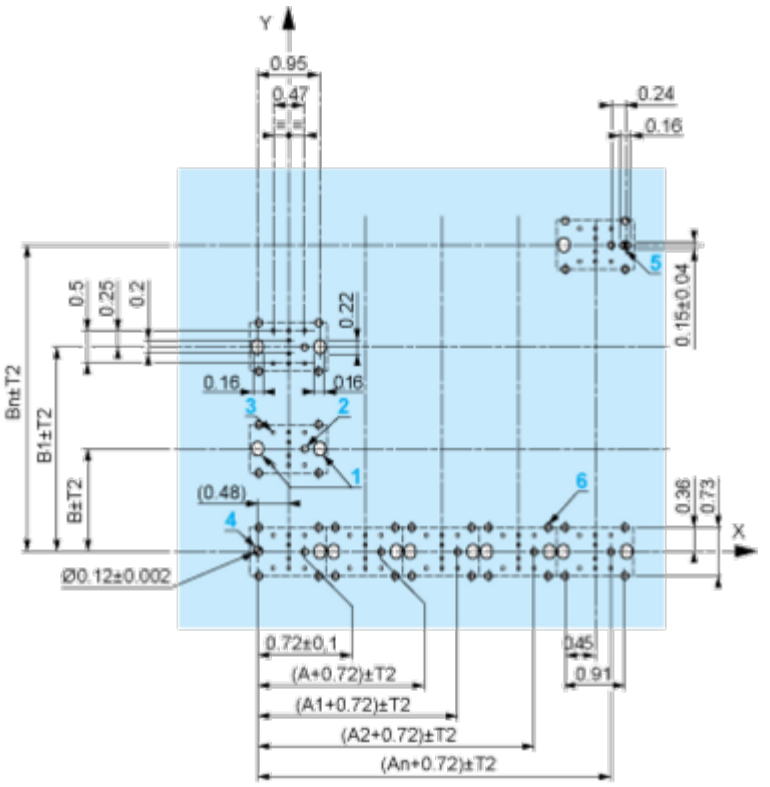
A: 30 mm min. / 1.18 in. min.
B: 40 mm min. / 1.57 in. min.

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.

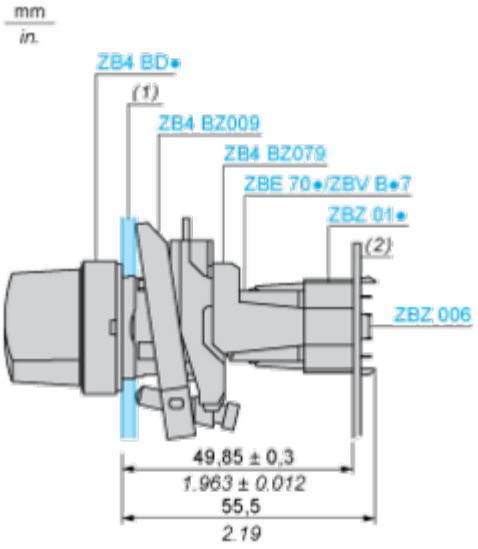
General Tolerances of the Panel and Printed Circuit Board

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 ± 0.1 / 0.88 in. ± 0.004
- Orientation of body/fixing collar ZB4 BZ009: ± 2°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 Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- **3** 8 × Ø 1.2 mm / 0.05 in. holes
- **4** 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 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 Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ 01•

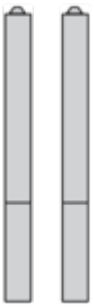
Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ 01•.

Technical Description

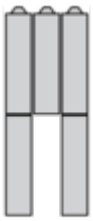
Electrical Composition Corresponding to Code C3



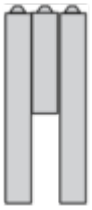
Electrical Composition Corresponding to Code C4



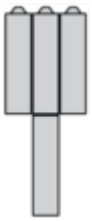
Electrical Composition Corresponding to Code C5



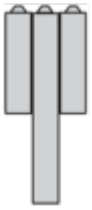
Electrical Composition Corresponding to Code C6



Electrical Composition Corresponding to Code C7



Electrical Composition Corresponding to Code C8



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



Legend

Single contact



Double contact



Light block



Possible location



Sequence of Contacts Fitted to 3-position Selector Switch Body

Position 315°



Push	Position	Top			
		Bottom			
	Location		Left	Centre	Right
	State		1	1	0
Contacts	N/O		closed	closed	open
	N/C		open	open	closed

Position 0°



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

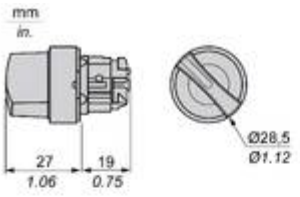
Position 45°

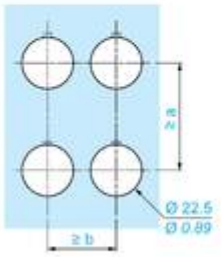


Push	Position	Top			
		Bottom			
	Location		Left	Centre	Right
	State		0	1	1
Contacts	N/O		open	closed	closed
	N/C		closed	open	open

Technical Illustration

Dimensions

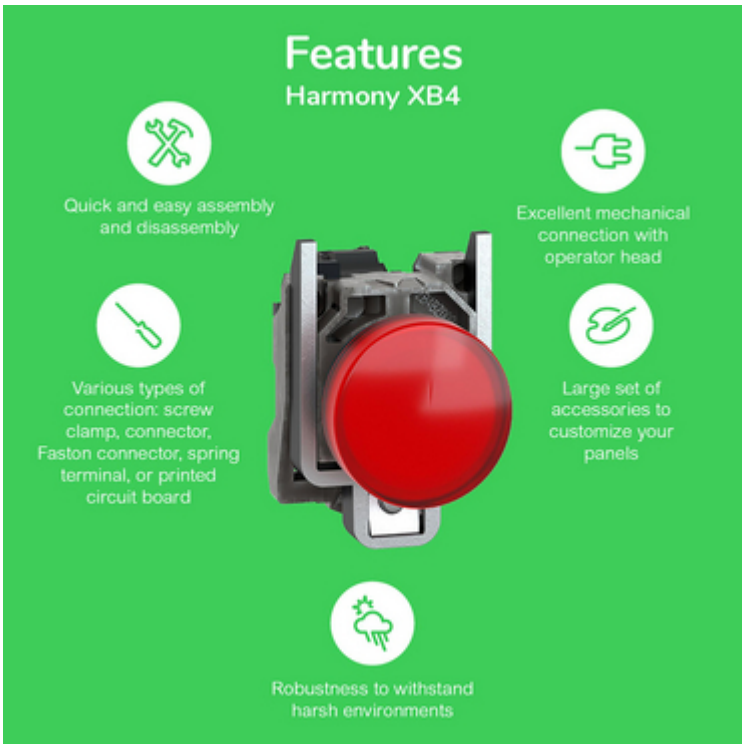




		a (mm)	a (in.)	b (mm)	b (in.)
ZBE●●●●●	ZBV●●●●	40	1.57	30	1.18
ZBE●●●●●3	ZBV●●●●3	45	1.77	32	1.26
ZBE●●●●●4	ZBV●●●●4	40	1.57	30	1.18
ZBE●●●●●5	ZBV●●●●5	50	1.97	30	1.18
ZBE●●●●●9	ZBV●●●●9	40	1.57	30	1.18
ZBRT●	ZBRV1	40	1.57	30	1.18

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

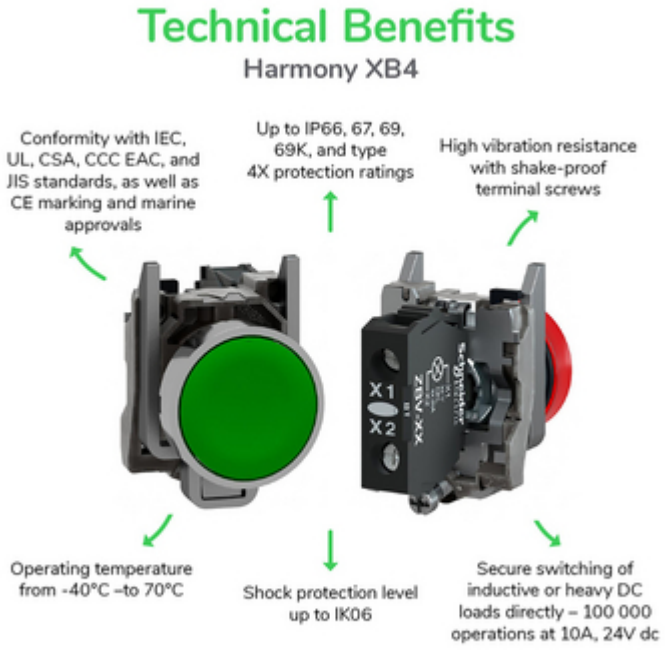


Image of product / Alternate images

Alternative



