

Control and signalling units Ø 22

Harmony® style 4

Pushbuttons and switches, with chromium plated metal bezel

Complete units, XB4-B

General :
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References

User assembly of other units using body + head sub-assemblies : see pages 36005/2 to 36005/6

Pushbuttons, spring return (screw clamp terminal connections)

Shape of head	Type of push	Type of contact		Marking	Colour of cap	Reference	Weight
							
							kg
	Flush	1	–	–	Black	XB4-BA21 (ZB4-BZ101 + ZB4-BA2)	0.080
					Green	XB4-BA31 (ZB4-BZ101 + ZB4-BA3)	0.080
					Yellow	XB4-BA51 (ZB4-BZ101 + ZB4-BA5)	0.080
					Blue	XB4-BA61 (ZB4-BZ101 + ZB4-BA6)	0.080
		–	1	–	Red	XB4-BA42 (ZB4-BZ102 + ZB4-BA4)	0.080
	Flush	1	–	“I” (white)	Green	XB4-BA3311 (ZB4-BZ101 + ZB4-BA331)	0.080
	Flush	–	1	“O” (white)	Red	XB4-BA4322 (ZB4-BZ102 + ZB4-BA432)	0.080
	Flush	1	–	↑ (black)	Blanc	XB4-BA3341 (1) (ZB4-BZ101 + ZB4-BA334)	0.080
	Flush	1	–	↑ (white)	Black	XB4-BA3351 (1) (ZB4-BZ101 + ZB4-BA335)	0.080
	Flush with clear silicone boot (colour of push unobscured)	1	–	–	Black	XB4-BP21 (ZB4-BZ101 + ZB4-BP2)	0.082
					Green	XB4-BP31 (ZB4-BZ101 + ZB4-BP3)	0.082
					Yellow	XB4-BP51 (ZB4-BZ101 + ZB4-BP5)	0.082
					Blue	XB4-BP61 (ZB4-BZ101 + ZB4-BP6)	0.082
		–	1	–	Red	XB4-BP42 (ZB4-BZ102 + ZB4-BP4)	0.082
	Projecting	–	1	–	Red	XB4-BL42 (ZB4-BZ102 + ZB4-BL4)	0.081
	Mushroom head Ø 40	1	–	–	Black	XB4-BC21 (ZB4-BZ101 + ZB4-BC2)	0.122

Double-headed pushbuttons, spring return (screw clamp terminal connections)

Shape of head	Description	Type of contact		Degree of protection	Reference	Weight
						kg
	1 flush green push (marked "I") 1 projecting red push (marked "O")	1	1	IP 40	XB4-BL845 (ZB4-BZ105 + ZB4-BL8434)	0.106
				IP 66	XB4-BL945 (ZB4-BZ105 + ZB4-BL9434)	0.111

Control and signalling units Ø 22

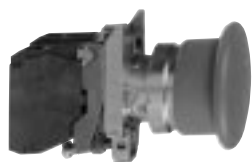
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Harmony® style 4
Pushbuttons and switches, with chromium plated metal bezel
Complete units, XB4-B

References (continued)

User assembly of other units using body + head sub-assemblies : see pages 36005/7 to 36005/9

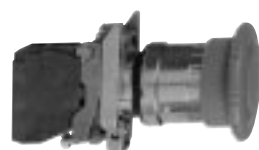
Emergency stop and mushroom head pushbuttons, Ø 40 (red) (screw clamp terminal connections)



XB4-BT845



XB4-BS9445



XB4-BS542



XB4-BD33



XB4-BJ33



XB4-BG33

Shape of head	Type of push	Type of contact		Reference	Weight
		N/O	N/C		kg
	Trigger action Push-pull	1	1	XB4-BT845 (ZB4-BZ105 + ZB4-BT84)	0.136
	Trigger action Turn to release	1	1	XB4-BS8445 (ZB4-BZ105 + ZB4-BS844)	0.130
	Trigger action Key release (n° 455)	1	1	XB4-BS9445 (ZB4-BZ105 + ZB4-BS944)	0.170
	Push-pull	–	1	XB4-BT42 (ZB4-BZ102 + ZB4-BT4)	0.125
	Turn to release	–	1	XB4-BS542 (ZB4-BZ102 + ZB4-BS54)	0.118
	Key release (n° 455)	–	1	XB4-BS142 (ZB4-BZ102 + ZB4-BS14)	0.133

Selector switches and key switches (screw clamp terminal connections)

Shape of head	Type of operator	Type of contact		Number and type of positions (1)	Reference	Weight
		N/O	N/C			kg
	Standard handle, black	1	–	2 - stay put	XB4-BD21 (ZB4-BZ101 + ZB4-BD2)	0.095
		1	1	2 - stay put	XB4-BD25 (ZB4-BZ105 + ZB4-BD2)	0.105
		2	–	3 - stay put	XB4-BD33 (ZB4-BZ103 + ZB4-BD3)	0.105
				3 - spring return to centre	XB4-BD53 (ZB4-BZ103 + ZB4-BD5)	0.105
	Long handle, black	1	–	2 - stay put	XB4-BJ21 (ZB4-BZ101 + ZB4-BJ2)	0.096
		2	–	3 - stay put	XB4-BJ33 (ZB4-BZ103 + ZB4-BJ3)	0.105
				3 - spring return to centre	XB4-BJ53 (ZB4-BZ103 + ZB4-BJ5)	0.105
	Key (n° 455)	1	–	2 - stay put	XB4-BG21 (ZB4-BZ101 + ZB4-BG2)	0.117
					XB4-BG41 (ZB4-BZ101 + ZB4-BG4)	0.117
				2 - spring return to left	XB4-BG61 (ZB4-BZ101 + ZB4-BG6)	0.117
		2	–	3 - stay put	XB4-BG03 (ZB4-BZ103 + ZB4-BG0)	0.127
					XB4-BG33 (ZB4-BZ103 + ZB4-BG3)	0.127

(1) The symbol indicates key withdrawal position(s).

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Pilot lights, with chromium plated metal bezel
Complete units, XB4-B

References (continued)

User assembly of other units using body + head sub-assemblies : see pages 36006/2 and 36006/3

Pilot lights with integral LED (screw clamp terminal connections)

Shape of head	Supply voltage	Colour	Reference	Weight
	V			kg
 XB4-BVB5 	~ 24	White	XB4-BVB1 (ZB4-BVB1 + ZB4-BV013)	0.080
		Green	XB4-BVB3 (ZB4-BVB3 + ZB4-BV033)	0.080
		Red	XB4-BVB4 (ZB4-BVB4 + ZB4-BV043)	0.080
		Yellow	XB4-BVB5 (ZB4-BVB5 + ZB4-BV053)	0.080
		Blue	XB4-BVB6 (ZB4-BVB6 + ZB4-BV063)	0.080
	~ 110...120	White	XB4-BVG1 (ZB4-BVG1 + ZB4-BV013)	0.080
		Green	XB4-BVG3 (ZB4-BVG3 + ZB4-BV033)	0.080
		Red	XB4-BVG4 (ZB4-BVG4 + ZB4-BV043)	0.080
		Yellow	XB4-BVG5 (ZB4-BVG5 + ZB4-BV053)	0.080
		Blue	XB4-BVG6 (ZB4-BVG6 + ZB4-BV063)	0.080
	~ 230...240	White	XB4-BVM1 (ZB4-BVM1 + ZB4-BV013)	0.080
		Green	XB4-BVM3 (ZB4-BVM3 + ZB4-BV033)	0.080
		Red	XB4-BVM4 (ZB4-BVM4 + ZB4-BV043)	0.080
		Yellow	XB4-BVM5 (ZB4-BVM5 + ZB4-BV053)	0.080
		Blue	XB4-BVM6 (ZB4-BVM6 + ZB4-BV063)	0.080

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Pilot lights, with chromium plated metal bezel
Complete units, XB4-B

References (continued)

User assembly of other units using body + head sub-assemblies : see pages 36006/2 and 36006/3

Pilot lights for BA 9s bulb (screw clamp terminal connections)

Shape of head	Supply voltage	Colour	Reference	Weight
	V			kg

Direct supply, for BA 9s U ≤ 250 V, 2.4 W bulb (bulb not included, see page 36008/14)



XB4-BV64

	≤ 250	White	XB4-BV61 (ZB4-BV6 + ZB4-BV01)	0.075
		Green	XB4-BV63 (ZB4-BV6 + ZB4-BV03)	0.075
		Red	XB4-BV64 (ZB4-BV6 + ZB4-BV04)	0.075
		Yellow	XB4-BV65 (ZB4-BV6 + ZB4-BV05)	0.075

Via integral transformer with 1.2 VA, 6 V secondary. BA 9s incandescent bulb included



XB4-BV33

	~ 110...120 50/60 Hz	White	XB4-BV31 (ZB4-BV3 + ZB4-BV01)	0.152
		Green	XB4-BV33 (ZB4-BV3 + ZB4-BV03)	0.152
		Red	XB4-BV34 (ZB4-BV3 + ZB4-BV04)	0.152
		Yellow	XB4-BV35 (ZB4-BV3 + ZB4-BV05)	0.152
	~ 230...240 50/60 Hz	White	XB4-BV41 (ZB4-BV4 + ZB4-BV01)	0.152
		Green	XB4-BV43 (ZB4-BV4 + ZB4-BV03)	0.152
		Red	XB4-BV44 (ZB4-BV4 + ZB4-BV04)	0.152
		Yellow	XB4-BV45 (ZB4-BV4 + ZB4-BV05)	0.152

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References (continued)

User assembly of other units using body + head sub-assemblies : see pages 36007/2 to 36007/7

Illuminated pushbuttons, spring return, flush push

Shape of head	Description	Type of contact		Supply voltage	Colour of push	Reference	Weight
							
		N/O	N/C	V			kg

Screw clamp terminal connections



XB4-BW33B5



XB4-BW34G5

	Integral LED	1	1	≈ 24	White	XB4-BW31B5 (ZB4-BW0B15 + ZB4-BW313)	0.097
					Green	XB4-BW33B5 (ZB4-BW0B35 + ZB4-BW333)	0.097
					Red	XB4-BW34B5 (ZB4-BW0B45 + ZB4-BW343)	0.097
					Yellow	XB4-BW35B5 (ZB4-BW0B55 + ZB4-BW353)	0.097
					Blue	XB4-BW36B5 (ZB4-BW0B65 + ZB4-BW363)	0.097
				~ 110...120	White	XB4-BW31G5 (ZB4-BW0G15 + ZB4-BW313)	0.097
					Green	XB4-BW33G5 (ZB4-BW0G35 + ZB4-BW333)	0.097
					Red	XB4-BW34G5 (ZB4-BW0G45 + ZB4-BW343)	0.097
					Yellow	XB4-BW35G5 (ZB4-BW0G55 + ZB4-BW353)	0.097
					Blue	XB4-BW36G5 (ZB4-BW0G65 + ZB4-BW363)	0.097
				~ 230...240	White	XB4-BW31M5 (ZB4-BW0M15 + ZB4-BW313)	0.097
					Green	XB4-BW33M5 (ZB4-BW0M35 + ZB4-BW333)	0.097
					Red	XB4-BW34M5 (ZB4-BW0M45 + ZB4-BW343)	0.097
					Yellow	XB4-BW35M5 (ZB4-BW0M55 + ZB4-BW353)	0.097
					Blue	XB4-BW36M5 (ZB4-BW0M65 + ZB4-BW363)	0.097
	Direct supply for BA 9s bulb Not included	1	1	≤ 250	White	XB4-BW3165 (ZB4-BW065 + ZB4-BW31)	0.097
					Green	XB4-BW3365 (ZB4-BW065 + ZB4-BW33)	0.097
					Red	XB4-BW3465 (ZB4-BW065 + ZB4-BW34)	0.097
					Yellow	XB4-BW3565 (ZB4-BW065 + ZB4-BW35)	0.097

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Illuminated pushbuttons and switches, with chromium plated metal bezel
Complete units, XB4-B

References (continued)

User assembly of other units body + head sub-assemblies : see pages 36007/2 to 36007/6, 36007/8 and 36007/9

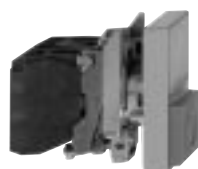
Illuminated pushbuttons, spring return, flush push (continued)



XB4-BW3545

Shape of head	Description	Type of contacts		Supply voltage	Colour of push	Reference	Weight
		N/O	N/C	V			kg
	Via integral transformer 1.2 VA, 6 V secondary. BA 9s incandescent bulb included	1	1	~ 110...120 50/60 Hz	White	XB4-BW3135 (ZB4-BW035 + ZB4-BW31)	0.169
					Green	XB4-BW3335 (ZB4-BW035 + ZB4-BW33)	0.169
					Red	XB4-BW3435 (ZB4-BW035 + ZB4-BW34)	0.169
					Yellow	XB4-BW3535 (ZB4-BW035 + ZB4-BW35)	0.169
				~ 230...240 50/60 Hz	White	XB4-BW3145 (ZB4-BW045 + ZB4-BW31)	0.170
					Green	XB4-BW3345 (ZB4-BW045 + ZB4-BW33)	0.170
					Red	XB4-BW3445 (ZB4-BW045 + ZB4-BW34)	0.170
					Yellow	XB4-BW3545 (ZB4-BW045 + ZB4-BW35)	0.170

Double-headed pushbuttons, spring return, with integral LED pilot light



XB4-BW84B5

Shape of head	Description	Type of contacts		Supply voltage	Degree of protection	Reference	Weight
		N/O	N/C	V			kg
Screw clamp terminal connections							
	1 flush green push (marked "I") 1 yellow pilot light 1 projecting red push (marked "O")	1	1	~ 24	IP 40	XB4-BW84B5 (ZB4-BW0B55 + ZB4-BW843743)	0.116
				~ 110...120	IP 40	XB4-BW84G5 (ZB4-BW0G55 + ZB4-BW843743)	0.116
				~ 230...240	IP 40	XB4-BW84M5 (ZB4-BW0M55 + ZB4-BW843743)	0.116

Illuminated selector switches with integral LED (2 position stay put)



XB4-BK124B5

Shape of head	Type of operator	Type of contacts		Supply voltage	Colour of handle	Reference	Weight
		N/O	N/C	V			kg
	Standard handle	1	1	~ 24	Green	XB4-BK123B5 (ZB4-BW0B35 + ZB4-BK1233)	0.111
					Red	XB4-BK124B5 (ZB4-BW0B45 + ZB4-BK1243)	0.111
					Yellow	XB4-BK125B5 (ZB4-BW0B55 + ZB4-BK1253)	0.111
				~ 110...120	Green	XB4-BK123G5 (ZB4-BW0G35 + ZB4-BK1233)	0.111
					Red	XB4-BK124G5 (ZB4-BW0G45 + ZB4-BK1243)	0.111
					Yellow	XB4-BK125G5 (ZB4-BW0G55 + ZB4-BK1253)	0.111
				~ 230...240	Green	XB4-BK123M5 (ZB4-BW0M35 + ZB4-BK1233)	0.111
					Red	XB4-BK124M5 (ZB4-BW0M45 + ZB4-BK1243)	0.111
					Yellow	XB4-BK125M5 (ZB4-BW0M55 + ZB4-BK1253)	0.111

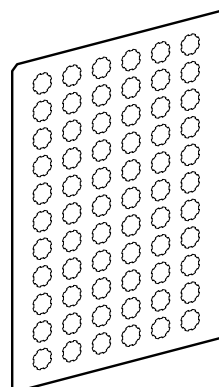
Unités de commande et de signalisation Ø 22

Harmony® style 4
Boutons et voyants à collerette métallique chromée
Éléments séparés et accessoires : pour têtes

Références (suite)

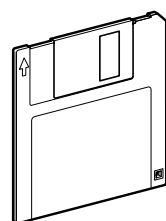
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Planches d'étiquettes pour boutons et voyants XB4-B



ZBY-1101

Désignation	Marquage	Vente par Q. indiv.	Référence unitaire	Masse kg
Planches de 66 étiquettes rondes autocollantes transparentes	Sans	10	ZBY-1101	0,017
	International			
	O	10	ZBY-1146	0,017
	I	10	ZBY-1147	0,017
	II	10	ZBY-1148	0,017
	III	10	ZBY-1149	0,017
	STOP	10	ZBY-1304	0,017
	↑	10	ZBY-1912	0,017
	Français			
	ARRET	10	ZBY-1104	0,017
	ARRIERE	10	ZBY-1106	0,017
	AUTO	10	ZBY-1115	0,017
	AVANT	10	ZBY-1105	0,017
	DESCENTE	10	ZBY-1108	0,017
	MAIN	10	ZBY-1116	0,017
	MARCHE	10	ZBY-1103	0,017
	MONTEE	10	ZBY-1107	0,017
	Anglais			
	HAND	10	ZBY-1316	0,017
	OFF	10	ZBY-1312	0,017
	ON	10	ZBY-1311	0,017
	START	10	ZBY-1303	0,017
	Allemand			
	AB	10	ZBY-1208	0,017
	AUF	10	ZBY-1207	0,017
	AUS	10	ZBY-1204	0,017
	EIN	10	ZBY-1203	0,017
	ZU	10	ZBY-1214	0,017



XBY-1●●

Logiciels de création d'étiquettes "SIS Label"

Utilisation pour	Référence	Masse kg
Création d'étiquettes (version française)	XBY-1FR	0,060
Création d'étiquettes (version anglaise)	XBY-1EN	0,060
Création d'étiquettes (version allemande)	XBY-1GE	0,060

"Étiquettes" circulaires pour "coup de poing" Arrêt d'urgence (couleur jaune)



ZBY-9130

Diamètre mm	Marquage sur fond jaune	Référence	Masse kg
60	Sans	ZBY-9101	0,004
	ARRET D'URGENCE	ZBY-9130	0,004
	EMERGENCY STOP	ZBY-9330	0,004
	NOT-AUS	ZBY-9230	0,004
90	Sans	ZBY-8101	0,008
	ARRET D'URGENCE	ZBY-8130	0,008
	EMERGENCY STOP	ZBY-8330	0,008
	NOT-AUS	ZBY-8230	0,008

Unités de commande et de signalisation Ø 22

Harmony® style 4

Boutons et voyants à collerette métallique chromée

Éléments séparés, accessoires et éléments de rechange

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Références

Lampes type BA 9s et accessoires pour lampes



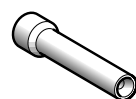
DL1-CJ0●●●



DL1-CE●●●



DL1-CF●●●



XBF-X13



ZBZ-8



ZBG-455

Désignation	Caractéristiques	Couleur	Vente par Q. indiv.	Référence unitaire	Masse kg
Lampes à DEL	≈ 24 V	Blanc	1	DL1-CJ0241	0,002
		Vert	1	DL1-CJ0243	0,002
		Rouge	1	DL1-CJ0244	0,002
		Jaune	1	DL1-CJ0245	0,002
		Bleu	1	DL1-CJ0246	0,002
	6 V - 1,2 W	Blanc	1	DL1-CD0061	0,002
		Vert	1	DL1-CD0063	0,002
		Rouge	1	DL1-CD0064	0,002
		Jaune	1	DL1-CD0065	0,002
		Bleu	1	DL1-CD0066	0,002
Lampes à incandescence	6 V - 1,2 W	—	10	DL1-CB006	0,002
	24 V - 2 W	—	10	DL1-CE024	0,002
	120...130 V - 2,4 W	—	10	DL1-CE130	0,002
Lampes au néon	120...130 V	—	10	DL1-CF110	0,002
	230...240 V	—	10	DL1-CF220	0,002
Lampes fluo	230...240 V	Vert	1	DL1-CG220	0,002
		Bleu	1	DL1-CH220	0,002
Extracteur de lampe	—	—	1	XBF-X13	0,005
Clé de serrage de cabochon	Boutons-poussoirs lumineux à poussoir affleurant	—	1	ZBZ-8	0,009

Clés de rechange pour têtes Arrêt d'urgence et boutons tournants

Désignation	N° de clé	Référence	Masse kg
Jeu de 2 clés	455	ZBG-455	0,013
	421E	ZBG-421E	0,014
	458A	ZBG-458A	0,014
	520E	ZBG-520E	0,014
	3131A	ZBG-3131A	0,014

Unités de commande et de signalisation Ø 22

Harmony® style 4
Fonctions spécifiques à collerette métallique chromée

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Références

Boutons-poussoirs affleurants pour réarmement



XB4-BA801

Forme de la tête	Course mm	Distance pour actionnement mm	Couleur	Référence	Masse kg
	10	6...16	Noir	XB4-BA821	0,037
			Rouge	XB4-BA841	0,037
			Bleu	XB4-BA861	0,037
		16...26	Noir	XB4-BA822	0,038
			Rouge	XB4-BA842	0,038
			Bleu	XB4-BA862	0,038
	14	30...130	Noir	XB4-BA921	0,058
			Rouge	XB4-BA941	0,058
			Bleu	XB4-BA961	0,058
		130...257	Noir	XB4-BA922	0,071
			Rouge	XB4-BA942	0,071
			Bleu	XB4-BA962	0,071

Têtes + embase de fixation pour potentiomètre



ZB4-BD912

Forme de la tête	Désignation	Utilisation	Référence	Masse kg
	Pour potentiomètre avec axe de longueur 44 à 50 mm (potentiomètre non fourni)	Pour axe de Ø 6 mm	ZB4-BD912	0,080
		Pour axe de Ø 6,35 mm	ZB4-BD922	0,080

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Références



XD4-PA12

Manipulateurs (avec levier de longueur 54 mm) (1)

Désignation	Fonctionnement	Rappel au zéro	Référence	Masse kg
2 directions	1 cran 1 contact "F" par direction	Sans	XD4-PA12	0,116
		Avec	XD4-PA22	0,116
4 directions	1 cran 1 contact "F" par direction	Sans	XD4-PA14	0,133
		Avec	XD4-PA24	0,133

Éléments séparés pour manipulateurs

Désignation	Utilisation pour	Vente par Q. indiv.	Référence unitaire	Masse kg
Étiquettes 30 x 48 mm à graver	2 directions	Recto noir Verso rouge	1 ZBG-2201	0,001
		Recto blanc Verso jaune	1 ZBG-2401	0,001
Étiquettes 48 x 48 mm à graver	4 directions	Recto noir Verso rouge	1 ZBG-4201	0,002
		Recto blanc Verso jaune	1 ZBG-4401	0,002

Compteurs horaires



XB5-DS●

Caractéristiques	Tension d'alimentation V	Référence	Masse kg
Indication 0...9999,9	≈ 12...24 50/60 Hz	XB5-DSB	0,045
	~ 120 60 Hz	XB5-DSG	0,045
	~ 230...240 50 Hz	XB5-DSM	0,045

Éléments sonores



XB5-KS●

Buzzer 75 db fonctionnement permanent ou intermittent (IP 40 NEMA 1)	≈ 12...24 50/60 Hz	XB5-KSB	0,035
	~ 120 60 Hz	XB5-KSG	0,035
	~ 230...240 50 Hz	XB5-KSM	0,035

Porte fusible



XB5-DT1S

Désignation	Utilisation pour	Référence	Masse kg
Porte fusible	Fusible 5 x 20 mm 6,3 A - 250 V	XB5-DT1S	0,022

(1) L'utilisation des blocs contact standard, simple (ZBE-101) et double (ZBE-20●) est interdite

Control and signalling units Ø 22

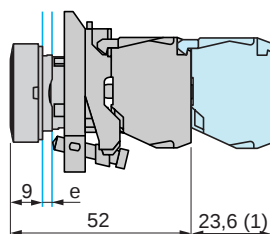
Harmony® style 4

Pushbuttons, switches and pilot lights, with chromium plated metal bezel
Complete units, XB4-B : contact functions

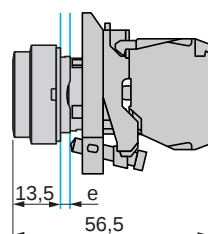
General :
pages 36022/2 to 36024/5
Characteristics :
pages 36001/2 to 36001/5
References :
pages 36002/2 to 36009/3

Dimensions

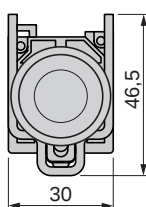
Pushbuttons, spring return XB4-BA●●



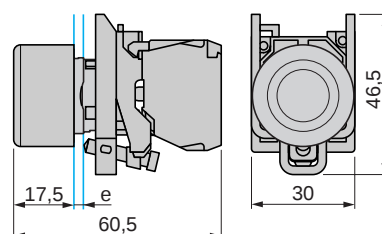
XB4-BL●●



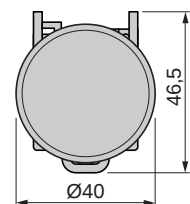
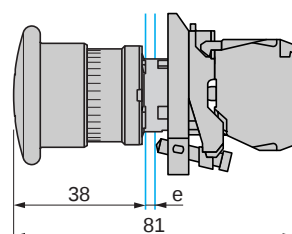
Common face view



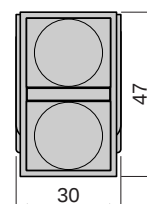
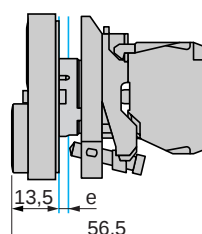
XB4-BP●●



Mushroom head pushbuttons, spring return XB4-BC21

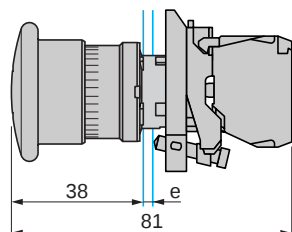


Double-headed pushbuttons, spring return XB4-BL●45, BL●4C5

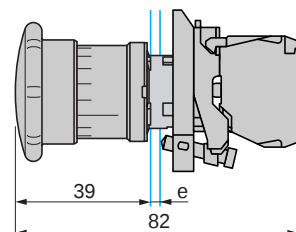


e : panel thickness 1 to 6 mm.
(1) Can be fitted with additional contact block.

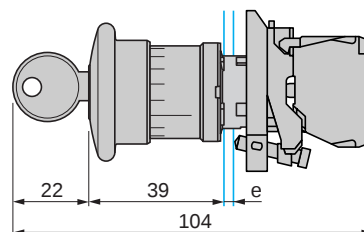
Emergency stop and mushroom head pushbuttons XB4-BT42, BT845



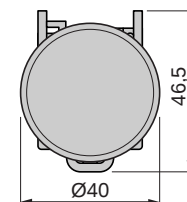
XB4-BS542, BS8445



XB4-BS142, BS9445



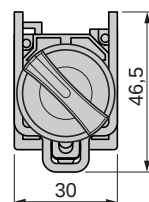
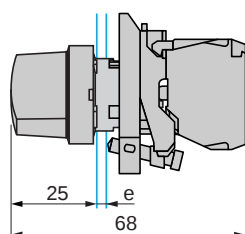
Common face view



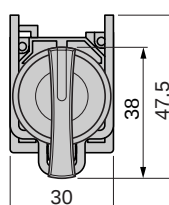
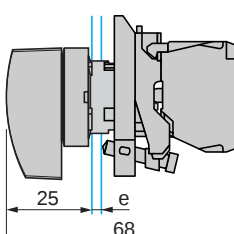
e : panel thickness 1 to 6 mm.

Selector switches

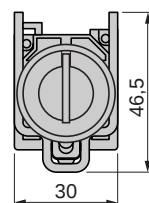
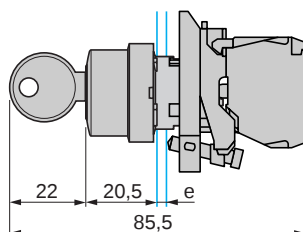
Standard handle operator XB4-BD



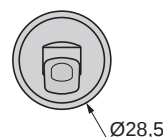
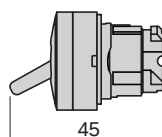
Long handle operator XB4-BJ



Key switches XB4-BG



Heads for toggle switches ZB4-BD●8



e : panel thickness 1 to 6 mm.

Control and signalling units Ø 22

Harmony® style 4

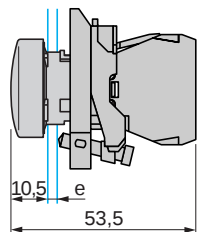
Pushbuttons, switches and pilot lights, with chromium plated metal bezel
Complete units, XB4-B : light functions with and without contacts

General :
pages 36022/2 to 36024/5
Characteristics :
pages 36001/2 to 36001/5
References :
pages 36002/2 to 36009/3

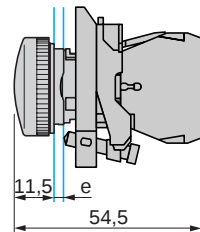
Dimensions (continued)

Pilot lights

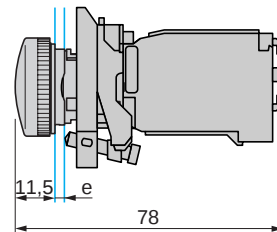
Integral LED
XB4-BV3●, BVG●, BVM●



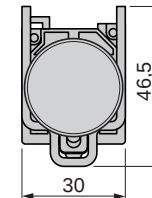
Direct supply
XB4-BV6



Via integral transformer
XB4-BV3●, BV4●



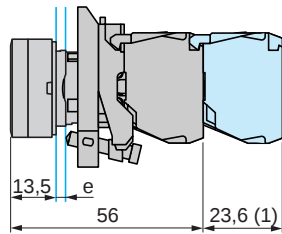
Common face view



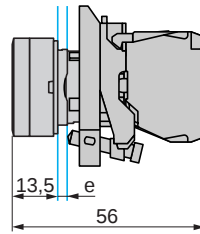
e : panel thickness 1 to 6 mm.

Illuminated pushbuttons

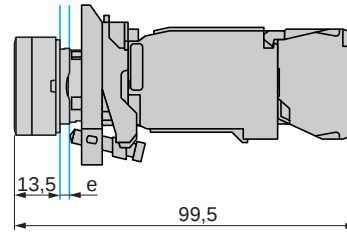
Integral LED
XB4-BW3●●5



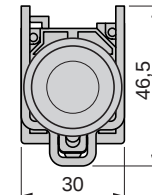
Direct supply
XB4-BW3●65



Via integral transformer
XB4-BW3●●5

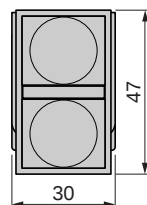
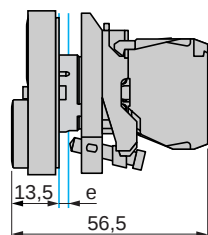


Common face view



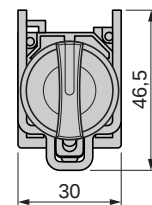
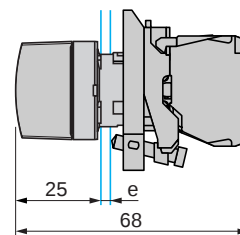
Double-headed pushbuttons with pilot light

Integral LED
XB4-BW84●5



Illuminated selector switches

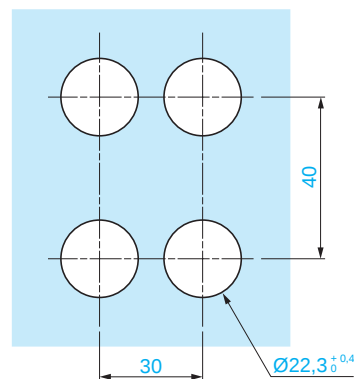
Integral LED
XB4-BK12●●5



e : panel thickness 1 to 6 mm

(1) Can be fitted with additional contact block.

Support panel cut-out (suitable for mounting all types of pushbuttons and pilot lights)



Control and signalling units Ø 22

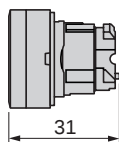
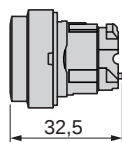
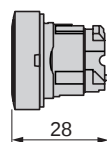
Harmony® style 4

Pushbuttons, switches and pilot lights, with chromium plated metal bezel
Sub-assemblies, ZB4-B : contact functions

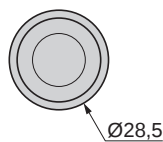
General :
pages 36022/2 to 36024/5
Characteristics :
pages 36001/2 to 36001/5
References :
pages 36002/2 to 36009/3

Dimensions (continued)

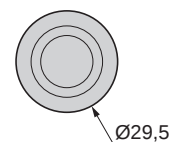
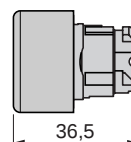
Heads for pushbuttons, spring return
ZB4-BA●, BA●●, ZB4-BL●, BL●●



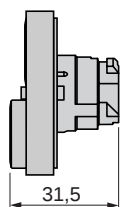
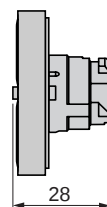
Common
face view



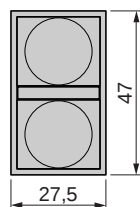
ZB4-BP●●



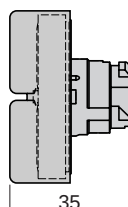
Heads for double-headed pushbuttons, spring return
ZB4-BA81●●, ZB4-BA82●●, ZB4-BL83●●, ZB4-BL84●●



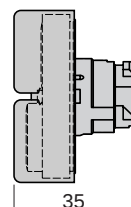
Common
face view



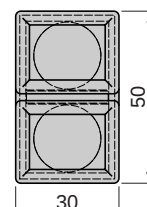
ZB4-BA91●●, ZB4-BA92●●



ZB4-BL93●●, ZB4-BL94●●

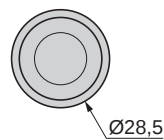
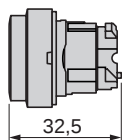
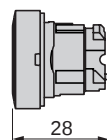


Common
face view

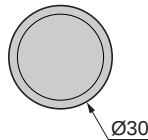
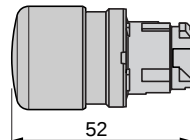


Heads for pushbuttons
"Push-push to release"
ZB4-BH0●, ZB4-BH●

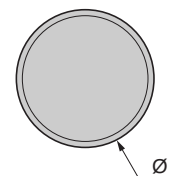
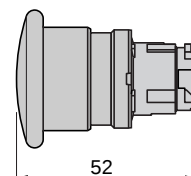
Common
face view



Mushroom head
ZB4-BC●4



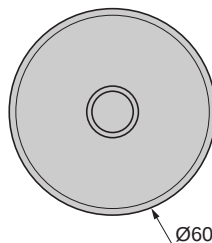
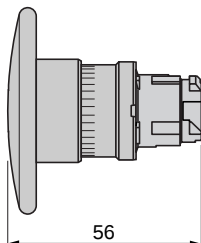
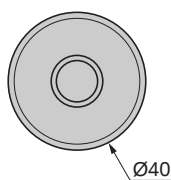
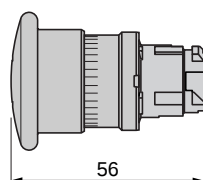
ZB4-BC●, BR●



ZB4-	Ø
BC●	40
BR●	60

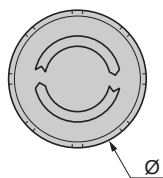
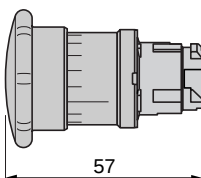
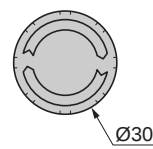
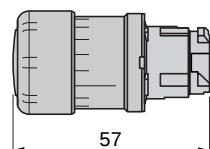
Mushroom heads for pushbuttons, latching
Push-pull
ZB4-BT●, BT●4

ZB4-BX2, BX4



Turn to release
ZB4-BS4●, BS834

ZB4-BS5●, BS844, BS6●



ZB4-	Ø
BS5●, BS844	40
BS6●	60

Control and signalling units Ø 22

Harmony® style 4

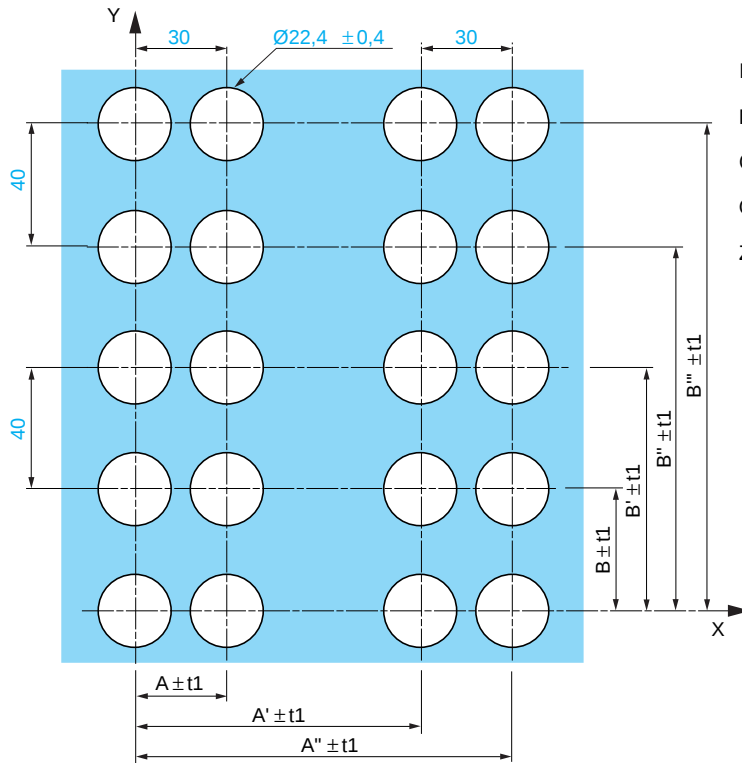
Pushbuttons, switches and pilot lights, with chromium plated metal bezel

Sub-assemblies, ZB4-B

Mounting

Connecting control units to printed circuit board

Panel drilling



Installation precautions :

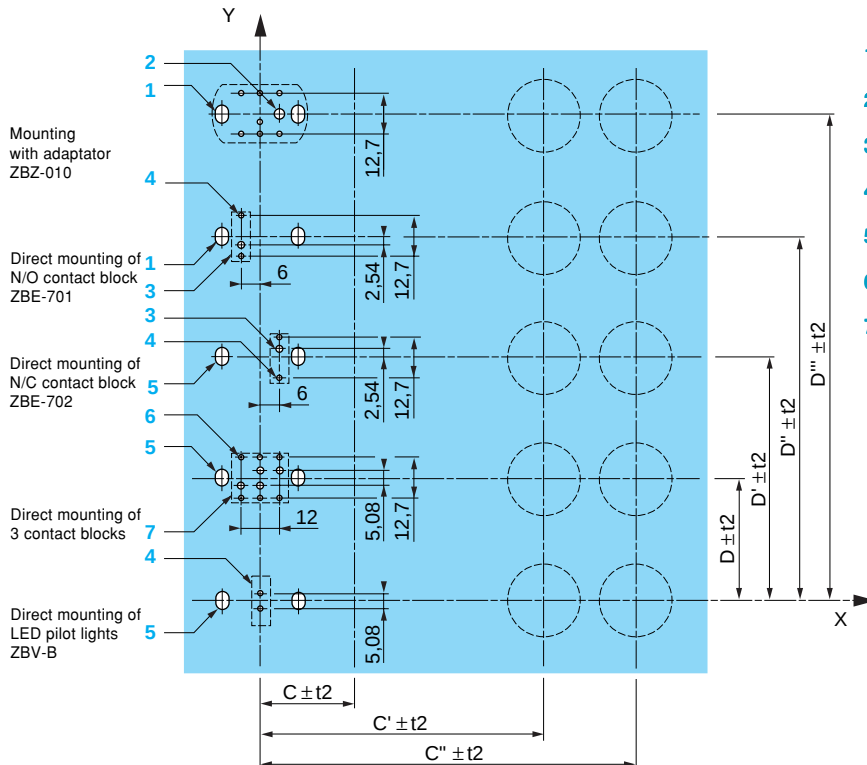
Minimum circuit board thickness : 1.6 mm

Cut-out diametre : 22.4 mm $\pm$ 0.1

Orientation of body/fixing collar ZB4-BZ009 : $\pm$ 2° 30'

ZBZ-005 and ZBZ-006 fixing screw tightening torque : 0.8 N.m

Printed circuit board drillings (viewed from electrical block side)



- 1 2 elongated holes for ZBZ-005 screw access
- 2 1 2.6 mm dia. hole for orientation of the ZBZ-010 adaptor
- 3 1 1.8 mm dia. hole for orientation of contact block
- 4 2 1.2 mm dia. holes
- 5 2 elongated holes for ZBZ-006 screw access
- 6 6 1.2 mm dia. holes
- 7 4 1.8 mm dia. holes for orientation of contact blocks

General tolerances of the panel and printed circuit board

The cumulative tolerance must not exceed 0.5 mm : $t_1 + t_2 = 0.5$ mm max.

Related to horizontal direction X

Related to vertical direction Y

Dimensions : A on panel

Dimensions : B on panel

C on printed circuit board

D on printed circuit board