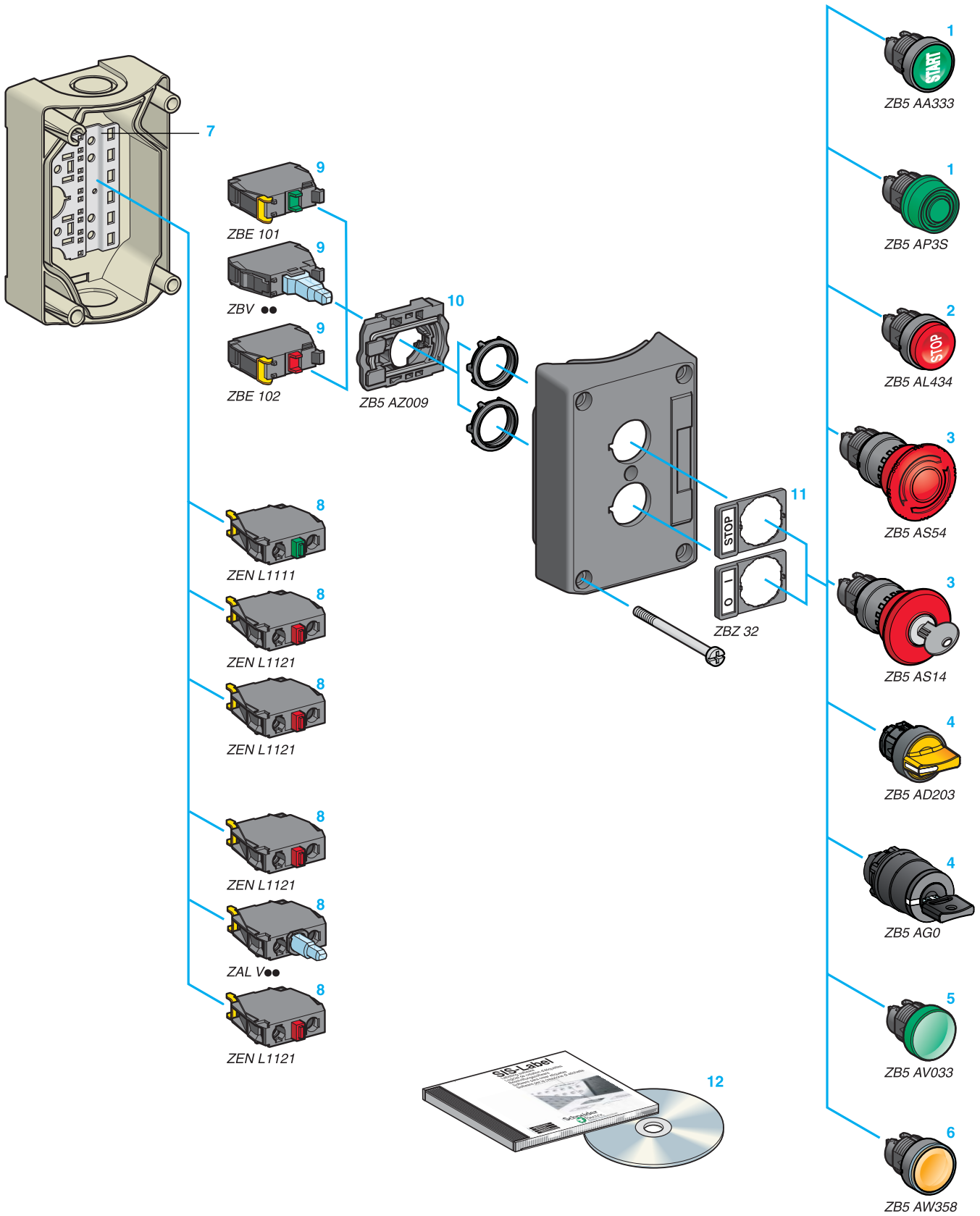


Control stations and enclosures

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units



XAL D and XAL K control stations are available in two forms:

- Complete.
- For customer assembly

These control stations use the plastic bezel pushbuttons, switches and pilot lights of the Harmony XB5 range, which offers a wide choice of circular and square types of head.

Complete stations

Pre-assembled

These are complete, ready to install, stations fitted with 1 to 3 buttons to cater for the most commonly encountered functions:

- **Start or Stop**, with:

- 1 flush spring return pushbutton,
- 1 red, spring return, mushroom head pushbutton.

- **Emergency stop**, with:

- 1 red, latching, mushroom head pushbutton **3** (standard or trigger action), either push-pull or turn to release, with or without key.

- **Start-Stop**, with:

- 2 flush spring return pushbuttons,
- 1 flush spring return pushbutton **1** + 1 projecting spring return pushbutton **2**,
- 1 2-position selector switch **4** + 1 pilot light with integral red LED, if required.

- **Two functions**, with:

- 2 flush spring return pushbuttons **1**.

- **Three functions**, with:

- 3 flush spring return pushbuttons **1**,
- 2 flush spring return pushbuttons **1** + 1 projecting spring return pushbutton **2**,
- 2 flush spring return pushbuttons **1** + 1 red, latching, mushroom head pushbutton **3**.

These pushbuttons, switches and pilot lights comprise plastic heads from the Harmony XB5 range and electrical blocks (contact or light) **8** that are mounted in the back of the enclosure.

Stations for customer assembly

For customer assembly

These stations are for assembly by the user and offer a choice of 2 assembly methods:

- **Box method**

Identical to the pre-assembled versions. The electrical blocks **8** are mounted on a metal mounting plate in the back of the enclosure **7**.

- **Station method**

The electrical blocks **9** are mounted directly beneath the heads using a body/fixing collar **10**.

It is possible to assemble stations with 1 to 5 heads, each of which can be combined with 3 electrical blocks **8** or **9** (contact or light).

The XAL range offers a wide choice of head types for:

- Spring return pushbuttons **1** or **2**, either marked or unmarked.
- Spring return mushroom head pushbuttons.
- Latching mushroom head pushbuttons **3**.
- Selector switches with standard or long handle and key switches **4**.
- Toggle switches.
- Pilot lights **5**.
- Illuminated spring return pushbuttons **6**.
- Illuminated selector switches with standard handle **4**.

Accessories

For heads

Markings can be customised by using legend holders **11** which can either be fitted with pre-marked legends or legends engraved by the user. Alternatively, paper legends (protected), prepared using "SIS Label" software **12**, or peel-off legends (supplied on sheet for marking by laser printer) can be used.

Environment characteristics			
Protective treatment	Standard version		"TH"
Ambient air temperature around the device	For storage	°C	- 40... + 70
	For operation	°C	- 25... + 70 unless otherwise stated
Electric shock protection			Conforming to IEC 60536: class II
Degree of protection			Conforming to IEC 60529: IP 65
			Conforming to NEMA: NEMA type 4X and 13
High pressure cleaning resistance		Pa	70 x 10 ⁵ (70 bar); distance: 0.1 m Temperature: 55 °C
Mechanical shock protection	Conforming to EN 50102		With non illuminated heads: IK 03
			With illuminated heads: IK 05
Conformity to standards			IEC/EN 60947-1, IEC/EN 60947-5-1, IEC/EN 60947-5-4, IEC/EN 60947-5-5, EN 418 (trigger action Emergency Stop, see pages 36032/3 and 36032/10), JIS C 4520, UL 508, CSA C22-2 n° 14
Product certifications	UL Listed, CSA		Standard single contacts with screw clamp terminals: A600; R300 Light blocks with screw clamp terminals
Terminal referencing			Conforming to EN 50005 and EN 50013
Material and colours			XAL D: polycarbonate, light grey RAL 7035 and dark grey RAL 7016
			XAL K: polycarbonate, light grey RAL 7035 and yellow RAL 1021
Cable entries			Knock-out entries for n° 13 (CM12, Pg 13.5) cable gland and tapped ISO 20

Contact function characteristics			
Mechanical characteristics			
Contact operation	N/C or N/O		Slow break
Positive operation	Conforming to IEC/EN 60947-5-1 Appendix K		All functions incorporating a N/C contact are positive opening operation
Operating travel (to change electrical state)	Pushbutton	mm	Changing N/C state: 1.5 Changing N/O state: 2.6 Total travel: 4.3
Operating force	Pushbutton	N	Changing N/C state: 3.5 Changing N/O state: 3.8
	Additional contact only (extra to change state)	N	Single N/C contact: 2 Single N/O contact: 2.3
	Emergency stop with N/C + N/O	N	Standard push-pull: 45 Trigger action push-pull: 50 Standard turn to release (with or without key): 40 Trigger action turn to release (with or without key): 44
Operating torque (to change electrical state)	Selector switches	N.m	N/O contact: 0.14
	Additional contact only	N.m	N/O contact: 0.05
Mechanical durability (in millions of operating cycles)	Spring return pushbutton		5
	Non illuminated selector switch		1
	Illuminated selector switch		0.5
	Toggle switch		0.5
	Emergency stop pushbutton		0.3
Vibration resistance	Conforming to IEC 60068-2-6		Frequency: 12...500 Hz: 5 gn
Shock resistance	Conforming to IEC 60068-2-27		All functions except mushroom head pushbutton, spring return: <input type="checkbox"/> half sine wave acceleration 11 ms: 50 gn <input type="checkbox"/> half sine wave acceleration 18 ms: 30 gn Mushroom head pushbutton, spring return: <input type="checkbox"/> half sine wave acceleration 11 ms: 10 gn

Contact function characteristics (continued)

Electrical characteristics

Cabling capacity	Conforming to IEC/EN 60947-1	mm² mm²	Screw clamp terminals Min.: 1 x 0.22 without cable end Max.: 2 x 1.5 with cable end Cross head screws (Pozidriv or Philips type 1), slotted for flat 4 and 5.5 mm screwdriver Tightening torque: 0.8 N.m (1.2 N.m max.)		
Contact material			Silver alloy (Ag/Ni)		
Nominal thermal current	Conforming to IEC/EN 60947-5-1	A	Standard blocks with screw clamp terminals: 10		
Short-circuit protection	Conforming to IEC/EN 60947-5-1	A	Standard blocks with screw clamp terminals: 10 (gG cartridge fuse conforming to IEC 269-1)		
Rated insulation voltage	Conforming to IEC/EN 60947-1	V	Standard blocks with screw clamp terminals: Ui = 600 degree of pollution 3		
Rated impulse withstand voltage	Conforming to IEC/EN 60947-1	kV	Standard blocks with screw clamp terminals: Uimp = 6		
Rated operational characteristics Conforming to IEC/EN 60947-5-1	a.c. supply: utilisation category AC-15		A 600: Ue = 600 V and Ie = 1.2 A or Ue = 240 V and Ie = 3 A or Ue = 120 V and Ie = 6 A		
	d.c. supply: utilisation category DC-13		Q 600: Ue = 600 V and Ie = 0.1 A or Ue = 250 V and Ie = 0.27 A or Ue = 125 V and Ie = 0.55 A		
Electrical durability Conforming to IEC/EN 60947-5-1 Appendix C Operating rate: 3600 operating cycles/hour Load factor: 0.5	a.c. supply for 1 million operating cycles: utilisation category AC-15	V A	24 4	120 3	230 2
	d.c. supply for 1 million operating cycles: utilisation category DC-13	V A	24 0.5	110 0.2	
Electrical reliability	Failure rate. Conforming to IEC/EN 60947-5-4		At 17 V and 5 mA, $\lambda < 10^{-8}$ At 5 V and 1 mA, $\lambda < 10^{-6}$		

Specific characteristics of light functions with integral LED

Mechanical characteristics

Vibration resistance	Conforming to IEC 60068-2-6		Frequency: 12...500 Hz: 5 gn		
Shock resistance	Conforming to IEC 60068-2-27		Half sine wave acceleration 11 ms: 50 gn Half sine wave acceleration 18 ms: 30 gn		

Electrical characteristics

Cabling capacity	Conforming to IEC/EN 60947-1	mm² mm²	Screw clamp terminals Min.: 1 x 0.22 without cable end Max.: 2 x 1.5 with cable end Cross head screws (Pozidriv or Philips type 1), slotted for flat 4 and 5.5 mm screwdriver Tightening torque: 0.8 N.m (1.2 N.m max.)		
Rated insulation voltage	Conforming to IEC/EN 60947-1	V	Pilot light blocks with integral LED: Ui = 250, degree of pollution 3		
Rated impulse withstand voltage	Conforming to IEC/EN 60947-1	kV	Pilot light blocks with integral LED: Uimp = 4		
Voltage limits	At nominal voltage	V	24 V: 19.2...30 ~; 21.6...26.4 ~ 48...120 V: 40...132 ~ 240 V: 195...264 ~		
Current consumption	For all colours	mA	~ 12 V supply blocks: 18 ~ 24 V supply blocks: 18 ~ 120 V supply blocks: 14 ~ 240 V supply blocks: 14		
Service life	At nominal voltage and at an ambient temperature of 25 °C	H	100,000		
Surge withstand	Conforming to IEC 6100-5-1	kV	1		
Resistance to fast transients	Conforming to IEC 6100-4-4	kV	2		
Resistance to electromagnetic fields	Conforming to IEC 6100-4-3	V/m	10		
Resistance to electrostatic discharges	Conforming to IEC 6100-4-2	kV	8/6		
Direct parallel connection across inductive load e.g. contactor coil or solenoid	Maximum power of load	VA	For applications involving high powers (≥ 30 VA), a ZBZ V suppressor must be connected across the light block terminals (see page 36032/7)		
Electromagnetic emission	Conforming to IEC 55011		Class B		

Control stations and enclosures

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Complete stations (screw clamp terminal connections)

Start or Stop function

Light grey "RAL 7035" base, dark grey "RAL 7016" lid, lid fixing screws and nut material: stainless steel type A4, AISI 316.

Description	Type of push	Type of contact		Marking	Reference	Weight kg
		N/O	N/C			
Marking on pushbutton						
1 spring return pushbutton	Flush, green	1	-	I	XAL D102	0.135
				Marche	XAL D104	0.156
				Start	XAL D103	0.156
1 spring return pushbutton	Flush, red	-	1	I	XAL D102E	0.165
				O	XAL D112	0.156
				Arrêt	XAL D117	0.156
1 spring return pushbutton	Projecting, red	1	1	O	XAL D112E	0.165
				Stop	XAL D114E	0.165
				O	XAL D115	0.157
1 spring return pushbutton	Projecting, red	-	1	Arrêt	XAL D118	0.157
				Stop	XAL D116	0.157
				Marche	XAL D101	0.157
1 spring return pushbutton	Flush, green	1	-	Start	XAL D101H29	0.157
				Arrêt	XAL D111	0.157
1 spring return pushbutton	Flush, red	-	1	Stop	XAL D111H29	0.157
				Arrêt	XAL D164	0.182
1 mushroom head pushbutton, Ø 40 mm, spring return	Red	-	1	Arrêt	XAL D164	0.182



XAL D102



XAL D115



XAL D101



XAL D111



XAL D164



Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Complete stations (screw clamp terminal connections)

Emergency stop function

Light grey "RAL 7035" base, yellow "RAL 1021" lid, lid fixing screws and nut material: stainless steel type A4, AISI 316.

Description	Type	Type of contact		Reference	Weight kg
		 N/O	 N/C		
Unmarked					
1 mushroom head pushbutton, Ø 40 mm, red Turn to release	Trigger action	–	2	XAL K178F	0.194
		1	1	XAL K178E	0.194
		1	2	XAL K178G	0.194
	Standard	–	1	XAL K174	0.178
		–	2	XAL K174F	0.188
		1	1	XAL K174E	0.188
		1	2	XAL K174G	0.197
1 mushroom head pushbutton, Ø 40 mm, red Key release (key n° 455)	Trigger action	–	2	XAL K188F	0.188
		1	1	XAL K188E	0.188
		1	2	XAL K188G	0.188
	Standard	–	1	XAL K184	0.178
		–	2	XAL K184F	0.188
		1	1	XAL K184E	0.188
		1	2	XAL K184G	0.197
1 mushroom head pushbutton, Ø 40 mm, red Push-pull	Standard	–	1	XAL K194	0.183
Marked "Emergency stop" on legend holder and legend below head					
1 mushroom head pushbutton, Ø 40 mm, red Turn to release	Standard	–	1	XAL K1741	0.185



XAL K174



XAL D184



XAL K194

Control stations and enclosures

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Complete stations (screw clamp terminal connections)

Start-Stop function

Light grey "RAL 7035" base, dark grey "RAL 7016" lid, lid fixing screws and nut material: stainless steel type A4, AISI 316.

Description	Type of push	Type of contact		Marking	Reference	Weight
		N/O	N/C			

Marking on pushbutton (1)

2 spring return pushbuttons	1 flush, green 1 flush, red	1	–	I	XAL D213	0.233	
		–	1	O			
			1	1	Marche	XAL D224	0.233
			1	1	Arrêt		
			1	1	Start	XAL D215	0.233
			1	1	Stop		
	1 flush, green 1 projecting, red	1	–	I	XAL D214	0.234	
		–	1	O			
				Start	XAL D225	0.234	
				Stop			

Marking on legend holder and legend below head

2 spring return pushbuttons	1 flush, green 1 flush, red	1	–	Marche	XAL D211	0.233	
		–	1	Arrêt			
		1 flush, green 1 flush, green	1	–	Start	XAL D211H29	0.233
			1	–	Stop		
1 selector switch 2-position stay put	Standard handle	1	–	Ouverture	XAL D241	0.233	
		1	–	Fermeture			
			1	–	O-I	XAL D134	0.163
			1	–	Arrêt-Marche		
	Key switch (key n° 455) key withdrawal from left-hand position	1	–	O-I	XAL D144	0.187	
		1	–	Arrêt-Marche			
				1	1	O-I	XAL D142
					XAL D144E	0.196	

Description	Type of push	Type of contact		Marking	Pilot light supply	Reference	Weight
		N/O	N/C				

With pilot light and marking on pushbutton (1)

2 spring return pushbuttons and 1 pilot light with integral red LED	1 flush, green 1 flush, red	1	–	I	≈ 24	XAL D363B	0.261
		–	1	O	≈ 120		
					≈ 230		

With pilot light and marking on legend holder and legend below head

2 spring return pushbuttons and 1 pilot light with integral red LED	1 flush, green 1 flush, red	1	–	Marche	≈ 24	XAL D361B	0.261
		–	1	Arrêt	≈ 230		
						XAL D361M	0.261

(1) Push supplied with cap not clipped-in, allowing orientation through 90° in 360° steps.



XAL D224



XAL D211H29



XAL D134



XAL D144



XAL D363B

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Complete stations (screw clamp terminal connections)

Two function

Light grey "RAL 7035" base, dark grey "RAL 7016" lid, lid fixing screws and nut material: stainless steel type A4, AISI 316.

Description	Type of push	Type of contact		Marking	Reference	Weight kg
		N/O	N/C			
Marking on pushbutton (1)						
2 spring return pushbuttons	1 flush, white	1	–	↑	XAL D222	0.233
	1 flush, black	1	–	↓		
				→	XAL D223	0.233
				↔		
		1	1	↑	XAL D222E	0.233
		1	1	↓		



XAL D222

Three function (light grey "RAL 7035" base, dark grey "RAL 7016" lid)

Description	Type of push	Type of contact		Marking	Reference	Weight kg
		N/O	N/C			
Marking on pushbutton (1)						
3 spring return pushbuttons	1 flush, green	1	–	I	XAL D339	0.298
	1 flush, red	–	1	O		
	1 flush, green	1	–	II		
	1 flush, white	1	–	↑	XAL D324	0.298
	1 flush, red	–	1	O		
	1 flush, black	1	–	↓		
				↑	XAL D326	0.298
				Stop		
				↓		
				→	XAL D334	0.298
				O		
				↔		
		1	1	↑	XAL D324E	0.317
		1	1	O		
		1	1	↓		
	1 flush, white	1	–	↑	XAL D325	0.299
	1 flush, red	–	1	O		
	1 flush, black	1	–	↓		
2 spring return pushbuttons + 1 latching mushroom head pushbutton, Ø 30 mm	1 flush, white	1	–	↑	XAL D328	0.317
	1 mushroom head, red (2)	–	1	O		
	1 flush, black	1	–	↓		



XAL D339



XAL D334



XAL D321

Marking on legend holder and legend below head

3 spring return pushbuttons	1 flush, green	1	–	Avant	XAL D311	0.299
	1 flush, red	–	1	Arrêt		
	1 flush, green	–	–	Arrière		
				Montée	XAL D321	0.299
				Arrêt		
				Descente		

(1) Push supplied with cap not clipped-in, allowing orientation through 90° in 360° steps.

(2) Standard turn to release.

Control stations and enclosures

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: empty enclosures



XAL D02

Empty enclosures (lid fixing screws and nut material: stainless steel type A4, AISI 316)

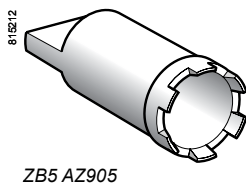
Description	Number of cut-outs	Reference	Weight kg
Light grey "RAL 7035" base Dark grey "RAL 7016" lid	1	XAL D01	0.136
	2	XAL D02	0.193
	3	XAL D03	0.238
	4	XAL D04	0.278
	5	XAL D05	0.322
Light grey "RAL 7035" base Yellow "RAL 1021" lid For Emergency stop function	1	XAL K01	0.136
	2	XAL K02	0.193
	3	XAL K03	0.238
	4	XAL K04	0.278
	5	XAL K05	0.322
CSA + UL certified (1)			
Light grey "RAL 7035" base Dark grey "RAL 7016" lid	1	XAL D01H7	0.136
	2	XAL D02H7	0.205
	3	XAL D03H7	0.238

(1) Volt-free commoning/earth terminal included.

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: electrical blocks



Electrical blocks and accessories for mounting in back of enclosure

Description	Description	Colour	Sold in lots of	Unit reference	Weight kg
Electrical blocks with screw clamp terminal connections					
Standard contact blocks (1)	N/O contact	–	5	ZEN L1111	0.015
	N/C contact	–	5	ZEN L1121	0.015
Light blocks with integral LED (1)	≈ 24 V	White	5	ZAL VB1	0.015
		Green	5	ZAL VB3	0.015
		Red	5	ZAL VB4	0.015
		Yellow	5	ZAL VB5	0.015
		Blue	5	ZAL VB6	0.015
		~ 48...120 V	White	5	ZAL VG1
		Green	5	ZAL VG3	0.015
		Red	5	ZAL VG4	0.015
		Yellow	5	ZAL VG5	0.015
		Blue	5	ZAL VG6	0.015
	~ 230...240 V	White	5	ZAL VM1	0.015
		Green	5	ZAL VM3	0.015
		Red	5	ZAL VM4	0.015
		Yellow	5	ZAL VM5	0.015
		Blue	5	ZAL VM6	0.015

Description	For use with	Sold in lots of	Unit reference	Weight kg
Accessories for electrical blocks				
Blanking plug	Ø 22 mm units	10	ZB5 SZ3	0.008
Nut	Head fixing	10	ZB5 AZ901	0.002
Volt-free terminal	Commoning/earth	10	XAL Z09	0.003
Bezel tool	For tightening nut ZB5 AZ901	1	ZB5 AZ905	0.016

Electrical blocks and accessories for mounting beneath heads

Description	Description	Colour	Sold in lots of	Unit reference	Weight kg
Electrical blocks with screw clamp terminal connections (2) (for use with body/fixing collar ZB5 AZ009)					
Standard contact blocks	N/O contact	–	5	ZBE 101	0.016
	N/C contact	–	5	ZBE 102	0.016
Light blocks with integral LED	≈ 24 V	White	5	ZBV B14	0.016
		Green	5	ZBV B34	0.016
		Red	5	ZBV B44	0.016
		Yellow	5	ZBV B54	0.016
		Blue	5	ZBV B64	0.016
		~ 48...120 V	White	5	ZBV G14
		Green	5	ZBV G34	0.016
		Red	5	ZBV G44	0.016
		Yellow	5	ZBV G54	0.016
		Blue	5	ZBV G64	0.016
	~ 230...240 V	White	5	ZBV M14	0.016
		Green	5	ZBV M34	0.016
		Red	5	ZBV M44	0.016
		Yellow	5	ZBV M54	0.016
		Blue	5	ZBV M64	0.016

Description	For use with	Level of protection	Unit reference	Weight kg
Accessories for electrical blocks				
LED suppressors	Electrical light blocks with integral LED	~ 120 V	ZBZ VG	0.010
		~ 230 V	ZBZ VM	0.010
Body/fixing collar	Electrical blocks (contact or light)	–	ZB5 AZ009	0.006

(1) A maximum of 3 electrical blocks can be fitted per associated head.











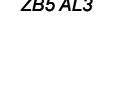







(2) For electrical blocks for printed circuit board connection: please consult your Regional Sales Office.

Control stations and enclosures

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: heads

Heads for spring return pushbuttons - unmarked					
Shape of head	Type of push	Colour of cap	Reference	Weight kg	
 815224 ZB5 AA0		Without cap (1)	–	ZB5 AA0	0.022
		Flush, with set of 6 coloured caps	6 colours (2)	ZB5 AA9	0.027
		Flush	White Black Green Red Yellow Blue Grey	ZB5 AA1 ZB5 AA2 ZB5 AA3 ZB5 AA4 ZB5 AA5 ZB5 AA6 ZB5 AA8	0.018 0.018 0.018 0.018 0.018 0.018 0.018
 815224 ZB5 AA5		Flush with transparent cap, for insertion of legend (3)	White	ZB5 AA18	0.018
			Green	ZB5 AA38	0.018
			Red	ZB5 AA48	0.018
			Yellow	ZB5 AA58	0.018
			Blue	ZB5 AA68	0.018
 103545_2 ZB5 AP2S		Booted (coloured silicone) Can be replaced without dismantling the head	White	ZB5 AP1S	0.014
			Black	ZB5 AP2S	0.014
			Green	ZB5 AP3S	0.014
			Red	ZB5 AP4S	0.014
			Yellow	ZB5 AP5S	0.014
			Blue	ZB5 AP6S	0.014
			 815226 ZB5 AL3		Projecting
Black	ZB5 AL2	0.019			
Green	ZB5 AL3	0.019			
Red	ZB5 AL4	0.019			
Yellow	ZB5 AL5	0.019			
Blue	ZB5 AL6	0.019			
 815227 ZB5 AA14		Flush (high guard)	White	ZB5 AA14	0.020
			Black	ZB5 AA24	0.020
			Green	ZB5 AA34	0.020
			Red	ZB5 AA44	0.020
			Yellow	ZB5 AA54	0.020
			Blue	ZB5 AA64	0.020
 815227 ZB5 CA2		Recessed (high guard)	White	ZB5 AA16	0.019
			Black	ZB5 AA26	0.019
			Green	ZB5 AA36	0.019
			Red	ZB5 AA46	0.019
			Yellow	ZB5 AA56	0.019
			Blue	ZB5 AA66	0.019
 815228 ZB5 CA5		Flush	White	ZB5 CA1	0.019
			Black	ZB5 CA2	0.019
			Green	ZB5 CA3	0.019
			Red	ZB5 CA4	0.019
			Yellow	ZB5 CA5	0.019
			Blue	ZB5 CA6	0.019
			 815228 ZB5 CL1		Projecting
Black	ZB5 CL2	0.021			
Green	ZB5 CL3	0.021			
Red	ZB5 CL4	0.021			
Yellow	ZB5 CL5	0.021			
Blue	ZB5 CL6	0.021			

(1) Cap to be ordered separately, see page 36032/22.

(2) Head supplied with 6 different coloured caps (white, black, green, red, yellow, blue).

(3) For legend ordering information, see page 36032/21.

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: heads



ZB5 AA331



ZB5 AA432



ZB5 AL232



ZB5 AC24



ZB5 AC2

Heads for spring return pushbuttons - marked

Shape of head	Type of push	Marking Text	Colour	Colour of cap	Reference	Weight kg		
	Flush (1)	I	White	Green	ZB5 AA331	0.018		
			Black	White	ZB5 AA131	0.018		
		II	White	Green	ZB5 AA336	0.018		
			Black	White	ZB5 AA136	0.018		
		START	White	Green	ZB5 AA333	0.018		
			Black	White	ZB5 AA133	0.018		
		ON	White	Green	ZB5 AA341	0.018		
			Black	White	ZB5 AA141	0.018		
		MARCHE	White	Green	ZB5 AA342	0.018		
			Black	White	ZB5 AA142	0.018		
			Projecting (1)	T	White	Black	ZB5 AA245	0.018
					Black	White	ZB5 AA145	0.018
		O		White	Red	ZB5 AA432	0.018	
				Black	Black	ZB5 AA232	0.018	
		ARRET		White	Red	ZB5 AA433	0.018	
				Black	Black	ZB5 AA233	0.018	
		STOP		White	Red	ZB5 AA434	0.018	
				Black	Black	ZB5 AA234	0.018	
		OFF		White	Red	ZB5 AA435	0.018	
				Black	Black	ZB5 AA235	0.018	
UP	Black	White		ZB5 AA343	0.018			
	White	Black		ZB5 AA344	0.018			
DOWN	White	Black		ZB5 AA335	0.018			
	Black	White		ZB5 AA334	0.018			
	Projecting (1)	O		White	Red	ZB5 AL432	0.019	
				Black	Black	ZB5 AL232	0.019	
		ARRET		White	Red	ZB5 AL433	0.019	
				Black	Black	ZB5 AL233	0.019	
		STOP		White	Red	ZB5 AL434	0.019	
				Black	Black	ZB5 AL234	0.019	
		OFF	White	Red	ZB5 AL435	0.019		
			Black	Black	ZB5 AL235	0.019		
	Flush (1)	I	White	Green	ZB5 CA331	0.019		
		O	White	Red	ZB5 CA432	0.019		
		+	White	Black	ZB5 CA2934	0.019		
		↑	White	Black	ZB5 CA2912	0.019		
		R	White	Blue	ZB5 CA6939	0.019		

Mushroom heads for spring return pushbuttons

Shape of head	Diameter of push mm	Colour of push	Reference	Weight kg
	30	Black	ZB5 AC24	0.027
		Green	ZB5 AC34	0.027
		Red	ZB5 AC44	0.027
		Yellow	ZB5 AC54	0.027
		Blue	ZB5 AC64	0.027
		40	40	Black
Green	ZB5 AC3			0.046
Red	ZB5 AC4			0.046
Yellow	ZB5 AC5			0.046
Blue	ZB5 AC6			0.046














(1) Push supplied with cap not clipped-in, allowing orientation through 90° in 360° steps.

Control stations and enclosures

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: heads

Mushroom heads for latching pushbuttons (Emergency stop: colour red)						
Shape of head	Type of push	Diameter of push mm	Colour of push	Reference	Weight kg	
 815243 ZB5 AS844		Trigger action Push-pull	40	Red	ZB5 AT84	0.050
		Trigger action Turn to release	30	Red	ZB5 AS834	0.042
 815246 ZB5 AS934		Trigger action Key release (key n° 455) (2)	40	Red	ZB5 AS844	0.046
			30	Red	ZB5 AS934	0.068
			40	Red	ZB5 AS944 (1)	0.071
 ZB5 AS934		Trigger action Key release (key n° 4A185)	60	Red	ZB5 AS964	0.092
			40	Red	ZB5 AS944D	0.071
 815244 ZB5 AT44		Push-pull	30	Black	ZB5 AT24	0.044
				Red	ZB5 AT44	0.044
		Turn to release	40	Black	ZB5 AT2	0.049
				Red	ZB5 AT4	0.049
			30	Black	ZB5 AS42	0.040
				Red	ZB5 AS44	0.040
 815245 ZB5 AS54		Key release (key n° 455) (2)	40	Black	ZB5 AS52	0.044
				Red	ZB5 AS54	0.044
		Key release (key n° 4A185)	30	Black	ZB5 AS72	0.040
				Red	ZB5 AS74	0.040
			40	Black	ZB5 AS12	0.044
				Red	ZB5 AS14 (1)	0.044
	40	Red	ZB5 AS14D	0.044		

(1) Other key numbers:

- key n° 421E: add suffix **12** to the reference.
- key n° 458A: add suffix **10** to the reference.
- key n° 520E: add suffix **14** to the reference.
- key n° 3131A: add suffix **20** to the reference.

Example: The reference for a Ø 40 mushroom head for a trigger action latching pushbutton with release by key n° 421E becomes: **ZB5 AS94412**.

(2) For specific keys with other numbers, please consult your Regional Sales Office.

Control stations and enclosures

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: heads



ZB5 AD2

Heads for selector switches (1)				
Shape of head	Type of operator	Number and type of positions	Reference	Weight kg
	Standard handle, black	2 - stay put	ZB5 AD2	0.017
		2 - spring return from right to left	ZB5 AD4	0.020
		3 - stay put	ZB5 AD3	0.017
		3 - spring return to centre	ZB5 AD5	0.017
		3 - spring return from left to centre	ZB5 AD7	0.017
		3 - spring return from right to centre	ZB5 AD8	0.017
	Standard handle, white	2 - stay put	ZB5 AD201	0.017
		2 - spring return from right to left	ZB5 AD401	0.020
		3 - stay put	ZB5 AD301	0.017
		3 - spring return to centre	ZB5 AD501	0.017
		3 - spring return from left to centre	ZB5 AD701	0.017
		3 - spring return from right to centre	ZB5 AD801	0.017
	Standard handle, green	2 - stay put	ZB5 AD203	0.017
		2 - spring return from right to left	ZB5 AD403	0.020
		3 - stay put	ZB5 AD303	0.017
		3 - spring return to centre	ZB5 AD503	0.017
		3 - spring return from left to centre	ZB5 AD703	0.017
		3 - spring return from right to centre	ZB5 AD803	0.017

(1) Can only be used for actuation of end of row (side) mounted contacts.

Control stations and enclosures

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: heads



ZB5 AD●●●



Heads for selector switches (1) (continued)				
Shape of head	Type of operator	Number and type of positions	Reference	Weight kg
	Standard handle, red	2 - stay put	ZB5 AD204	0.017
		2 - spring return from right to left	ZB5 AD404	0.020
		3 - stay put	ZB5 AD304	0.017
		3 - spring return to centre	ZB5 AD504	0.017
		3 - spring return from left to centre	ZB5 AD704	0.017
		3 - spring return from right to centre	ZB5 AD804	0.017
	Standard handle, yellow	2 - stay put	ZB5 AD205	0.017
		2 - spring return from right to left	ZB5 AD405	0.020
		3 - stay put	ZB5 AD305	0.017
		3 - spring return to centre	ZB5 AD505	0.017
		3 - spring return from left to centre	ZB5 AD705	0.017
		3 - spring return from right to centre	ZB5 AD805	0.017
	Standard handle, blue	2 - stay put	ZB5 AD206	0.017
		2 - spring return from right to left	ZB5 AD406	0.020
		3 - stay put	ZB5 AD306	0.017
		3 - spring return to centre	ZB5 AD506	0.017
		3 - spring return from left to centre	ZB5 AD706	0.017
		3 - spring return from right to centre	ZB5 AD806	0.017
	Long handle, black	2 - stay put	ZB5 AJ2	0.017
		2 - spring return from right to left	ZB5 AJ4	0.020
		3 - stay put	ZB5 AJ3	0.017
		3 - spring return to centre	ZB5 AJ5	0.017
		3 - spring return from left to centre	ZB5 AJ7	0.017
		3 - spring return from right to centre	ZB5 AJ8	0.017

(1) Can only be used for actuation of end of row (side) mounted contacts.



ZB5 AJ●



Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: heads

Heads for selector switches (1) (continued)



ZB5 AD39

Knurled knob,
black

2 - stay put



ZB5 AD29

0.020

2 - spring return from right
to left

ZB5 AD49

0.024

3 - stay put



ZB5 AD39

0.020

3 - spring return to centre



ZB5 AD59

0.020

3 - spring return from left
to centre

ZB5 AD79

0.020

3 - spring return from right
to centre

ZB5 AD89

0.020



ZB5 AG2

Key switch with
key n° 455 (4)

2 - stay put



ZB5 AG2 (3)

0.057

ZB5 AG02 (3)

0.057



ZB5 AG4 (3)

0.057

2 - spring return from right
to left

ZB5 AG6 (3)

0.061

3 - stay put



ZB5 AG0 (3)

0.057



ZB5 AG3 (3)

0.057



ZB5 AG5 (3)

0.057



ZB5 AG9 (3)

0.057



ZB5 AG09 (3)

0.057

3 - spring return from left
to centre

ZB5 AG1 (3)

0.057

3 - spring return to centre



ZB5 AG7 (3)

0.057

3 - spring return from right
to centre

ZB5 AG8 (3)

0.057



ZB5 AG08 (3)

0.057

(1) Can only be used for actuation of end of row (side) mounted contacts.

(2) The symbol ϕ indicates key withdrawal position(s).

(3) Other key numbers:

- key n° 421E: add suffix 12 to the reference,
- key n° 458A: add suffix 10 to the reference,
- key n° 520E: add suffix 14 to the reference,
- key n° 3131A: add suffix 20 to the reference.

Example:

For a key switch head with key n° 421E, 2-position stay put with key withdrawal from the left-hand position, the reference becomes: **ZB5 AG212**.

(4) For specific keys with other numbers, please consult your Regional Sales Office.

Control stations and enclosures

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: heads



Heads for selector switches (1) (continued)

Shape of head	Type of operator	Number and type of positions (2)	Reference	Weight kg	
	Key switch with key n° 8D1	2 - stay put		ZB5 AG2D	0.057
				ZB5 AG02D	0.057
				ZB5 AG4D	0.057
		2 - spring return from right to left		ZB5 AG6D	0.061
		3 - stay put		ZB5 AG0D	0.057
				ZB5 AG3D	0.057
				ZB5 AG5D	0.057
				ZB5 AG9D	0.057
				ZB5 AG09D	0.057
				ZB5 AG03D	0.057
		3 - spring return from left to centre		ZB5 AG04D	0.057
				ZB5 AG06D	0.057
				ZB5 AG1D	0.057
		3 - spring return from right to centre		ZB5 AG07D	0.057
				ZB5 AG8D	0.057
	ZB5 AG08D		0.057		
3 - spring return to centre		ZB5 AG05D	0.057		
		ZB5 AG7D	0.057		

Heads for toggle switches

Shape of head	Description	Lever	Type of position	Reference	Weight kg	
	2-position	Black	Stay put	ZB5 AD28	0.023	
			Spring return	ZB5 AD48	0.023	
			White	Stay put	ZB5 AD2801	0.023
			Red	Stay put	ZB5 AD2804	0.023
			Blue	Stay put	ZB5 AD2806	0.023

(1) Can only be used for actuation of end of row (side) mounted contacts.





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

Control stations XAL


For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: heads



Heads for pilot lights

Shape of head	For use with body comprising light source type	Colour of lens	Reference	Weight kg
With plain lens				
	With integral LED 	White	ZB5 AV013	0.017
		Green	ZB5 AV033	0.017
		Red	ZB5 AV043	0.017
		Yellow	ZB5 AV053	0.017
		Blue	ZB5 AV063	0.017
	With integral LED 	White	ZB5 CV013	0.020
		Green	ZB5 CV033	0.020
		Red	ZB5 CV043	0.020
		Yellow	ZB5 CV053	0.020
		Blue	ZB5 CV063	0.020
		5 colours (1)	ZB5 CV003	0.028






With plain lens, for insertion of legend (2)

	With integral LED 	White	ZB5 AV013E	0.017
		Green	ZB5 AV033E	0.017
		Red	ZB5 AV043E	0.017
		Yellow	ZB5 AV053E	0.017
		Blue	ZB5 AV063E	0.017

With grooved lens (3)

	With integral LED 	White	ZB5 AV013S	0.017
		Green	ZB5 AV033S	0.017
		Red	ZB5 AV043S	0.017
		Yellow	ZB5 AV053S	0.017
		Blue	ZB5 AV063S	0.017

Heads for spring return illuminated pushbuttons

Shape of head	Type of push	Colour	Reference	Weight kg
Only for use with bodies comprising a light source with integral LED				
	Flush, plain lens	White	ZB5 AW313	0.017
		Green	ZB5 AW333	0.017
		Red	ZB5 AW343	0.017
		Yellow	ZB5 AW353	0.017
		Blue	ZB5 AW363	0.017
	Flush, grooved lens (3)	White	ZB5 AW313S	0.016
		Green	ZB5 AW333S	0.016
		Red	ZB5 AW343S	0.016
		Yellow	ZB5 AW353S	0.016
		Blue	ZB5 AW363S	0.016
	Flush for insertion of legend (1)	White	ZB5 AA18	0.018
		Green	ZB5 AA38	0.018
		Red	ZB5 AA48	0.018
		Yellow	ZB5 AA58	0.018
		Blue	ZB5 AA68	0.018
	Projecting	White	ZB5 AW113	0.018
		Green	ZB5 AW133	0.018
		Red	ZB5 AW143	0.018
		Yellow	ZB5 AW153	0.018
		Blue	ZB5 AW163	0.018
	Flush for insertion of legend (1)	White	ZB5 CW313	0.023
		Green	ZB5 CW333	0.023
		Red	ZB5 CW343	0.023
		Yellow	ZB5 CW353	0.023
		Blue	ZB5 CW363	0.023

(1) Head supplied with 5 different coloured lenses (white, green, red, yellow, blue) for insertion of legend. For legend ordering information: see page 36032/21.

(2) For legend ordering information: see page 36032/21.

(3) For use in bright ambient light conditions (outdoors in sunlight, for example).

Other versions Heads for flush pushbuttons with illuminated ring. Please consult your Regional Sales Office.










Control stations and enclosures

Control stations XAL



For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: heads

Heads for illuminated selector switches with standard handle

Shape of head	Number and type of positions	Colour of handle	Reference	Weight kg	
Only for use with bodies comprising a light source with integral LED					
 106225 ZB5 AK1263			White	ZB5 AK1213	0.021
		Green	ZB5 AK1233	0.021	
		Red	ZB5 AK1243	0.021	
		Yellow	ZB5 AK1253	0.021	
		Blue	ZB5 AK1263	0.021	
 106227 ZB5 AK1463		White	ZB5 AK1413	0.021	
		Green	ZB5 AK1433	0.021	
		Red	ZB5 AK1443	0.021	
		Yellow	ZB5 AK1453	0.021	
		Blue	ZB5 AK1463	0.021	
		White	ZB5 AK1313	0.021	
		Green	ZB5 AK1333	0.021	
		Red	ZB5 AK1343	0.021	
		Yellow	ZB5 AK1353	0.021	
		Blue	ZB5 AK1363	0.021	
		White	ZB5 AK1513	0.021	
		Green	ZB5 AK1533	0.021	
		Red	ZB5 AK1543	0.021	
		Yellow	ZB5 AK1553	0.021	
		Blue	ZB5 AK1563	0.021	
		White	ZB5 AK1813	0.021	
		Green	ZB5 AK1833	0.021	
		Red	ZB5 AK1843	0.021	
		Yellow	ZB5 AK1853	0.021	
		Blue	ZB5 AK1863	0.021	
		White	ZB5 AK1713	0.021	
		Green	ZB5 AK1733	0.021	
		Red	ZB5 AK1743	0.021	
		Yellow	ZB5 AK1753	0.021	
		Blue	ZB5 AK1763	0.021	

Heads for Ø 40 illuminated, latching, mushroom head pushbuttons (1)

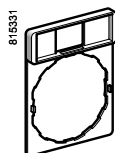
Shape of head	Type of push	Colour of push	Reference	Weight kg
 103547 ZB5 AW743		White	ZB5 AW713	0.022
		Green	ZB5 AW733	0.022
		Red	ZB5 AW743	0.022
		Yellow	ZB5 AW753	0.022
		Blue	ZB5 AW763	0.022

(1) Use electrical blocks type ZBE 10, specifically designed for "mounting beneath heads", see page 36032/7.

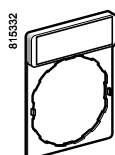
Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

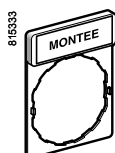
Stations for customer assembly: accessories



ZBZ 32



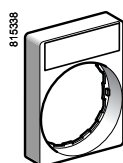
ZBY ●101



ZBY 2107



ZBZ 34



ZBY ●H101

Standard (30 x 40 mm) legend holders for 8 x 27 mm legends (1)

Description	Legend		Sold in lots of	Unit reference	Weight kg		
	Colour	Marking					
Without legend	–	–	10	ZBZ 32	0.001		
With blank legend (for engraving)	Black or red background	–	10	ZBY 2101	0.002		
	White or yellow background	–	10	ZBY 4101	0.002		
With 8 x 27 mm legend (with international marking)	Black or red background	O (black background)	1	ZBY 2146	0.002		
		O (red background)	1	ZBY 2931	0.002		
		I	1	ZBY 2147	0.002		
		II	1	ZBY 2148	0.002		
		O-I	1	ZBY 2178	0.002		
		I-II	1	ZBY 2179	0.002		
		I-O-II	1	ZBY 2186	0.002		
		AUTO	1	ZBY 2115	0.002		
		STOP	1	ZBY 2304	0.002		
		With 8 x 27 mm legend (with French language marking)	Black or red background (2)	ARRET (red background)	1	ZBY 2104	0.002
				ARRET (black background)	1	ZBY 0104	0.002
				ARRET GENERAL	1	ZBY 2129	0.002
				ARRET REARMEMENT	1	ZBY 2133	0.002
				ARRET MARCHÉ	1	ZBY 2166	0.002
ARRIERE	1			ZBY 2106	0.002		
AUTO CYCLE-CYCLE	1			ZBY 2198	0.002		
AUTO CYCLE-MAIN	1			ZBY 2199	0.002		
AUTO-MAIN	1			ZBY 2164	0.002		
AUTO-O-MAIN	1			ZBY 2185	0.002		
AVANT	1			ZBY 2105	0.002		
AVANT-O-ARRIERE	1			ZBY 2184	0.002		
C-P-C NORMAL	1			ZBY 2165	0.002		
CYCLE-MAIN	1			ZBY 2197	0.002		
DECLENCHEMENT	1	ZBY 2132	0.002				
DEFAUT (black background)	1	ZBY 2134	0.002				
DEFAUT (red background)	1	ZBY 2135	0.002				
DEPART CYCLE	1	ZBY 2195	0.002				
DESCENTE	1	ZBY 2108	0.002				
DROITE	1	ZBY 2109	0.002				
ENCLENCHEMENT	1	ZBY 2131	0.002				
EN SERVICE	1	ZBY 2111	0.002				
FERMETURE	1	ZBY 2114	0.002				
GAUCHE	1	ZBY 2110	0.002				
HORS SERVICE	1	ZBY 2112	0.002				
HORS-EN	1	ZBY 2167	0.002				
LENT	1	ZBY 2127	0.002				
MAIN	1	ZBY 2116	0.002				
MARCHÉ	1	ZBY 2103	0.002				
MONTEE	1	ZBY 2107	0.002				
OUVERTURE	1	ZBY 2113	0.002				
PHASE / PHASE	1	ZBY 2196	0.002				
REARMEMENT (red bckgrnd.)	1	ZBY 2123	0.002				
REARMEMENT (black)	1	ZBY 0123	0.002				
SOUS TENSION	1	ZBY 2126	0.002				
VITE	1	ZBY 2128	0.002				
Yellow background	ARRET D'URGENCE	1	ZBY 2130	0.002			

30 x 40 mm legend holders (flush mounting with bezel) for 8 x 27 mm legends

Description	For use with	Colour	Sold in lots of	Unit reference	Weight kg
Without legend	Circular heads	–	10	ZBZ 34	0.003
	Square heads	–	10	ZBC Z34	0.002
With blank legend	Circular heads	Black or red background	10	ZBY 2H101	0.004
		White or yellow background	10	ZBY 4H101	0.004
	Square heads	Black or red background	10	ZBC Y2H101	0.002
		White or yellow background	10	ZBC Y4H101	0.002

(1) Legends: see pages 36032/19 to 36032/23.

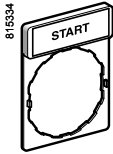
(2) "Start" functions: white characters on black background. "Stop" functions: white characters on red background (unless otherwise stated above).

Control stations and enclosures

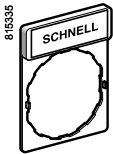
Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: accessories



ZBY 2303



ZBY 2228

Standard (30 x 40 mm) legend holders with 8 x 27 mm legend (continued)

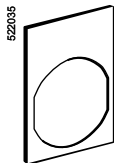
Description	Legend	Marking	Reference	Weight kg		
With legend (English language marking)	Black or red background (1)	AUTO-HAND	ZBY 2364	0.002		
		AUTO-O-HAND	ZBY 2385	0.002		
		CLOSE	ZBY 2314	0.002		
		DOWN	ZBY 2308	0.002		
		FAST	ZBY 2328	0.002		
		FORWARD	ZBY 2305	0.002		
		HAND	ZBY 2316	0.002		
		HAND-OFF-AUTO	ZBY 2387	0.002		
		INCH	ZBY 2321	0.002		
		LEFT	ZBY 2310	0.002		
		OFF	ZBY 2312	0.002		
		OFF-ON	ZBY 2367	0.002		
		ON	ZBY 2311	0.002		
		OPEN	ZBY 2313	0.002		
		POWER ON	ZBY 2326	0.002		
		RESET (red background)	ZBY 2323	0.002		
		RESET (black background)	ZBY 2322	0.002		
		REVERSE	ZBY 2306	0.002		
		RIGHT	ZBY 2309	0.002		
		RUN	ZBY 2334	0.002		
		SLOW	ZBY 2327	0.002		
		START	ZBY 2303	0.002		
		STOP-START	ZBY 2366	0.002		
		UP	ZBY 2307	0.002		
			Yellow background	EMERGENCY STOP	ZBY 2330	0.002
		With legend (German language marking)	Black or red background (1)	AB	ZBY 2208	0.002
				AUF	ZBY 2207	0.002
AUS	ZBY 2204			0.002		
AUS-EIN	ZBY 2266			0.002		
AUS-IN BETRIEB	ZBY 2267			0.002		
AUS-RUCKSTELLUND	ZBY 2233			0.002		
AUSSCHALTEN	ZBY 2232			0.002		
AUTO-HAND	ZBY 2364			0.002		
AUTO-O-HAND	ZBY 2385			0.002		
AUTOZYKL-HAND	ZBY 2299			0.002		
AUTOZYKL-1 ZYKL	ZBY 2298			0.002		
C-P-C-NORMAL	ZBY 2265			0.002		
EIN	ZBY 2203			0.002		
EINSCHALTEN	ZBY 2231			0.002		
HAND	ZBY 2316			0.002		
LANGSAM	ZBY 2227			0.002		
LINKS	ZBY 2210			0.002		
NOT-AUS (red background)	ZBY 2230			0.002		
NOT-HALT	ZBY 2229			0.002		
ÖFFNEN	ZBY 2213			0.002		
RECHTS	ZBY 2209			0.002		
RUCKSTELLUNG	ZBY 2223			0.002		
SCHLIESSEN	ZBY 2214			0.002		
SCHNELL	ZBY 2228			0.002		
SPANNUNG EIN	ZBY 2226			0.002		
STEUERUNG AUS	ZBY 2212			0.002		
STEUERUNG EIN	ZBY 2211			0.002		
STORUNG (black background)	ZBY 2234			0.002		
STORUNG (red background)	ZBY 2235			0.002		
VOR	ZBY 2205			0.002		
VOR-O-ZURUCK	ZBY 2284			0.002		
ZURUCK	ZBY 2206			0.002		
ZYKLUS-HAND	ZBY 2297			0.002		
ZYKLUS-START	ZBY 2295			0.002		
	Yellow background	NOT-AUS	ZBY 22420001	0.002		

(1) "Start" functions: white characters on black background. "Stop" functions: white characters on red background (unless otherwise stated above).

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: accessories



ZAL Y4

Legends (30 x 42 mm) for engraving

Description	Colour	Sold in lots of	Unit reference	Weight kg
Legends for engraving 2 lines of text	Black or red background	10	ZAL Y2	0.001
	White or yellow background	10	ZAL Y4	0.001

Legends for engraving

Description mm	For use with	Colour	Sold in lots of	Unit reference	Weight kg
8 x 27	30 x 40 mm legend holder	Black or red background	10	ZBY 0101	0.001
		White or yellow background	10	ZBY 0102	0.001

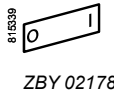
Sheets of peel-off legends (with backing board and protective transparent cover)

Description	For use with	Sold in lots of	Unit reference	Weight kg
Sheet of 76 8 x 27 mm legends	30 x 40 mm legend holders ZBZ 32 and ZBZ 34	10	ZBY 4100	0.043

8 x 27 mm marked legends (for 30 x 40 mm legend holders ZBZ 32 and ZBZ 34)

Colour	Marking	Reference	Weight kg		
Black or red background (1)	International	O (black background)	ZBY 02146	0.001	
		O (red background)	ZBY 02931	0.001	
		I	ZBY 02147	0.001	
		II	ZBY 02148	0.001	
		O-I	ZBY 02178	0.001	
		I-II	ZBY 02179	0.001	
		I-O-II	ZBY 02186	0.001	
		AUTO	ZBY 02115	0.001	
		STOP	ZBY 02304	0.001	
		French	ARRET (red background)	ZBY 02104	0.001
			ARRET (black background)	ZBY 00104	0.001
			ARRET GENERAL	ZBY 02129	0.001
			ARRET REARMEMENT	ZBY 02133	0.001
			ARRET-MARCHE	ZBY 02166	0.001
			ARRIERE	ZBY 02106	0.001
			AUTO CYCLE-CYCLE	ZBY 02198	0.001
			AUTO CYCLE-MAIN	ZBY 02199	0.001
AUTO-MAIN	ZBY 02164		0.001		
AUTO-O-MAIN	ZBY 02185		0.001		
AVANT	ZBY 02105		0.001		
AVANT-O-ARRIERE	ZBY 02184		0.001		
C-P-C-NORMAL	ZBY 02165		0.001		
CYCLE-MAIN	ZBY 02197		0.001		
DECLENCHEMENT	ZBY 02132		0.001		
DEFAULT (black background)	ZBY 02134		0.001		
DEFAULT (red background)	ZBY 02135		0.001		
DEPART CYCLE	ZBY 02195		0.001		
DESCENTE	ZBY 02108		0.001		
DROITE	ZBY 02109		0.001		
ENCLENCHEMENT	ZBY 02131		0.001		
EN SERVICE	ZBY 02111		0.001		
FERMETURE	ZBY 02114		0.001		
GAUCHE	ZBY 02110	0.001			
HORS SERVICE	ZBY 02112	0.001			
HORS-EN	ZBY 02167	0.001			
LENT	ZBY 02127	0.001			
MAIN	ZBY 02116	0.001			
MARCHE	ZBY 02103	0.001			
MONTEE	ZBY 02107	0.001			
OUVERTURE	ZBY 02113	0.001			
PHASE / PHASE	ZBY 02196	0.001			
Yellow background	French	ARRET D'URGENCE	ZBY 02130	0.001	

(1) "Start" functions: white characters on black background. "Stop" functions: white characters on red background (unless otherwise stated above).



ZBY 02178



ZBY 02104

Control stations and enclosures

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: accessories

8 x 27 mm marked legends (for 30 x 40 mm legend holders ZBZ 32 and ZBZ 34) (continued)				
Colour	Marking		Reference	Weight kg
Black or red background (1)	French (continued)	REARMEMENT (red background)	ZBY 02123	0.001
		REARMEMENT (black background)	ZBY 00123	0.001
	English	SOUS TENSION	ZBY 02126	0.001
		VITE	ZBY 02128	0.001
		AUTO-HAND	ZBY 02364	0.001
		AUTO-O-HAND	ZBY 02385	0.001
		CLOSE	ZBY 02314	0.001
		DOWN	ZBY 02308	0.001
		FAST	ZBY 02328	0.001
		FORWARD	ZBY 02305	0.001
		HAND	ZBY 02316	0.001
		HAND-OFF-AUTO	ZBY 02387	0.001
		INCH	ZBY 02321	0.001
		LEFT	ZBY 02310	0.001
		OFF	ZBY 02312	0.001
		OFF-ON	ZBY 02367	0.001
		ON	ZBY 02311	0.001
		OPEN	ZBY 02313	0.001
		POWER ON	ZBY 02326	0.001
		RESET (red background)	ZBY 02323	0.001
		RESET (black background)	ZBY 02322	0.001
		REVERSE	ZBY 02306	0.001
		RIGHT	ZBY 02309	0.001
		RUN	ZBY 02334	0.001
		SLOW	ZBY 02327	0.001
		START	ZBY 02303	0.001
		STOP-START	ZBY 02366	0.001
		UP	ZBY 02307	0.001
		German	AB	ZBY 02208
	AUF		ZBY 02207	0.001
	AUS		ZBY 02204	0.001
	AUS-EIN		ZBY 02266	0.001
	AUS-IN BETRIEB		ZBY 02267	0.001
	AUS-RUCKSTELLUNG		ZBY 02233	0.001
	AUSSCHALLEN		ZBY 02232	0.001
	AUTO-HAND		ZBY 02364	0.001
	AUTO-O-HAND		ZBY 02385	0.001
	AUTOZYKL-HAND		ZBY 02299	0.001
	AUTOZYKL- 1 ZYKL		ZBY 02298	0.001
	C-P-C-NORMAL		ZBY 02265	0.001
	EIN		ZBY 02203	0.001
	EINSCHALTEN		ZBY 02231	0.001
	HAND		ZBY 02316	0.001
	LANGSAM		ZBY 02227	0.001
	LINKS		ZBY 02210	0.001
	NOT-AUS (red background)		ZBY 02230	0.001
	NOT-HALT		ZBY 02229	0.001
ÖFFNEN	ZBY 02213		0.001	
RECHTS	ZBY 02209		0.001	
RUCKSTELLUNG	ZBY 02223		0.001	
SCHLIESSEN	ZBY 02214		0.001	
SCHNELL	ZBY 02228		0.001	
SPANNUNG EIN	ZBY 02226		0.001	
STEUERUNG AUS	ZBY 02212		0.001	
STEUERUNG EIN	ZBY 02211		0.001	
STORUNG (black background)	ZBY 02234		0.001	
STORUNG (red background)	ZBY 02235		0.001	
VOR	ZBY 02205		0.001	
VOR-O-ZURUCK	ZBY 02284	0.001		
ZURUCK	ZBY 02206	0.001		
ZYKLUS-HAND	ZBY 02297	0.001		
ZYKLUS-START	ZBY 02295	0.001		
Yellow background	English	EMERGENCY STOP	ZBY 02330	0.001
	German	NOT-AUS	ZBY 022420001	0.001

(1) "Start" functions: white characters on black background. "Stop" functions: white characters on red background (unless otherwise stated above).

815341

START

ZBY 02303

815342

SCHNELL

ZBY 02228

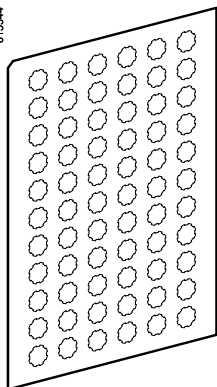
Control stations and enclosures

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: accessories

815344



ZBY 1●●●

Legends for pushbuttons, switches and pilot lights XB5 A

Description	Marking	Sold in lots of	Unit reference	Weight kg	
Sheets of 66 circular peel-off transparent self-adhesive legends	Without	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
		AUTO	10	ZBY 1115	0.017
		STOP	10	ZBY 1304	0.017
		↑	10	ZBY 1912	0.017
	French	ARRET	10	ZBY 1104	0.017
		ARRIERE	10	ZBY 1106	0.017
		AVANT	10	ZBY 1105	0.017
		AUTO	10	ZBY 1115	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
	English	HAND	10	ZBY 1316	0.017
OFF		10	ZBY 1312	0.017	
ON		10	ZBY 1311	0.017	
START		10	ZBY 1303	0.017	
German	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	

Strip of 66 square peel-off transparent self-adhesive legends	Without	10	ZBC Y1101	0.017
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Circular legends for Emergency stop mushroom head pushbuttons

Diameter mm	Colour	Marking on yellow background	Reference	Weight kg
60	Yellow	Without	ZBY 9101	0.004
		ARRET D'URGENCE	ZBY 9130	0.004
		EMERGENCY STOP	ZBY 9330	0.004
		NOT-AUS	ZBY 9230	0.004
90	Yellow	Without	ZBY 8101	0.008
		ARRET D'URGENCE	ZBY 8130	0.008
		EMERGENCY STOP	ZBY 8330	0.008
		NOT-AUS	ZBY 8230	0.008

563088



ZBY 9330

563027



XBY 2U

"SIS Label" labelling software (for legend sheets ZBY 1101, ZBY 4100 and ZBC Y1101)

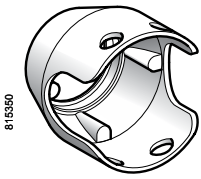
Application	Reference	Weight kg
Legend design for English, French, German, Italian and Spanish	XBY 2U	0.100

Control stations and enclosures

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: accessories



ZBZ 160●

Metal guards (3)

Description	For use with	Colour	Reference	Weight kg
Padlockable	Only for use with Ø 40 mushroom head trigger action Emergency stop pushbuttons: XB5 AT8●, XB5 AS8● XB5 AS9●, ZB5 AT8● ZB5 AS8●, ZB5 AS9●	Chromium plated	ZBZ 1600	0.046
		Black	ZBZ 1602	0.046
		Red	ZBZ 1604	0.046
		Yellow	ZBZ 1605	0.046
		Blue	ZBZ 1606	0.046

Pushbutton caps - unmarked

For use with	Cap Type	Colour	Sold in lots of	Unit reference	Weight kg
Circular pushbutton heads ZB5 AA supplied without cap	Flush	White	10	ZBA 1	0.001
		Black	10	ZBA 2	0.001
		Green	10	ZBA 3	0.001
		Red	10	ZBA 4	0.001
		Yellow	10	ZBA 5	0.001
		Blue	10	ZBA 6	0.001
		6 colours (1)	1	ZBA 9	0.006
	Projecting	White	10	ZBL 1	0.001
		Black	10	ZBL 2	0.001
		Green	10	ZBL 3	0.001
		Red	10	ZBL 4	0.001
		Yellow	10	ZBL 5	0.001
		Blue	10	ZBL 6	0.001
		6 colours (1)	1	ZBL 9	0.006



ZBA ●



ZBL ●

Pushbutton caps - marked (2) (sold in lots of 10)

For use with	Type of push	Marking		Colour of cap	Unit reference	Weight kg
		Text	Colour			
Circular pushbutton heads ZB5 AA supplied without cap	Flush	I	White	Green	ZBA 331	0.001
			Black	White	ZBA 131	0.001
		II	White	Green	ZBA 336	0.001
			Black	White	ZBA 136	0.001
		III	White	Green	ZBA 337	0.001
			Black	White	ZBA 137	0.001
		IV	White	Green	ZBA 338	0.001
			Black	White	ZBA 138	0.001
		START	White	Green	ZBA 333	0.001
			Black	White	ZBA 133	0.001
		ON	White	Green	ZBA 341	0.001
			Black	White	ZBA 141	0.001
		MARCHE	White	Green	ZBA 342	0.001
			Black	White	ZBA 142	0.001
		Ⓢ	White	Black	ZBA 245	0.001
			Black	White	ZBA 145	0.001
		UP	Black	White	ZBA 343	0.001
		DOWN	White	Black	ZBA 344	0.001
		↑	White	Black	ZBA 335	0.001
			Black	White	ZBA 334	0.001
		O	White	Red	ZBA 432	0.001
				Black	ZBA 232	0.001
		ARRET	White	Red	ZBA 433	0.001
				Black	ZBA 233	0.001
		STOP	White	Red	ZBA 434	0.001
				Black	ZBA 234	0.001
		OFF	White	Red	ZBA 435	0.001
				Black	ZBA 235	0.001
		⚠	White	Green	ZBA 346	0.001
		R	White	Blue	ZBA 639	0.001
		+	White	Black	ZBA 2934	0.001
		-	White	Black	ZBA 2935	0.001

(1) Set of 6 different coloured caps: white, black, green, red, yellow, blue.

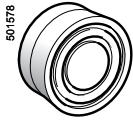
(2) Can be clipped-in at 90° steps through 360°.

(3) These guards can be used in conjunction with a legend holder, but only those for mounting directly beneath the head. See page 36032/7.

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly: accessories



ZB2 BP01●



ZBV 01●3

Coloured boots

For use with	Colour	Sold in lots of	Unit reference	Weight kg
Coloured boots (can be replaced without dismantling the head)	Black	10	ZB2 BP012	0.003
	Green	10	ZB2 BP013	0.003
	Red	10	ZB2 BP014	0.003
	Yellow	10	ZB2 BP015	0.003
	Blue	10	ZB2 BP016	0.003

Lens caps

Circular lens caps for light sources with integral LED

Pilot lights	White	10	ZBV 0113	0.002
	Green	10	ZBV 0133	0.002
	Red	10	ZBV 0143	0.002
	Yellow	10	ZBV 0153	0.002
	Blue	10	ZBV 0163	0.002
	5 different coloured grooved lenses (1)	1	ZBV 0103S	0.010
Illuminated pushbuttons, with flush push	White	10	ZBW 9113	0.002
	Green	10	ZBW 9133	0.002
	Red	10	ZBW 9143	0.002
	Yellow	10	ZBW 9153	0.002
	Blue	10	ZBW 9163	0.002
Illuminated pushbuttons, with projecting push	White	10	ZBW 9313	0.002
	Green	10	ZBW 9333	0.002
	Red	10	ZBW 9343	0.002
	Yellow	10	ZBW 9353	0.002
	Blue	10	ZBW 9363	0.002

Square lens caps for light sources with integral LED

Pilot lights	White	10	ZBC V0113	0.002
	Green	10	ZBC V0133	0.002
	Red	10	ZBC V0143	0.002
	Yellow	10	ZBC V0153	0.002
	Blue	10	ZBC V0163	0.002
Illuminated pushbuttons, with flush push	White	10	ZBC W9113	0.002
	Green	10	ZBC W9133	0.002
	Red	10	ZBC W9143	0.002
	Yellow	10	ZBC W9153	0.002
Illuminated pushbuttons, with projecting push	White	10	ZBC W9313	0.002
	Green	10	ZBC W9333	0.002
	Red	10	ZBC W9343	0.002
	Yellow	10	ZBC W9353	0.002
	Blue	10	ZBC W9363	0.002

Replacement keys for Emergency stop key release heads and key switches

Description	Key number	Reference	Weight kg
Set of 2 keys	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
	4A185	ZBD A185	0.014
	LU1	ZBD LU1	0.014
	LU2	ZBD LU2	0.014
	LU3	ZBD LU3	0.014
	LU4	ZBD LU4	0.014
	LU5	ZBD LU5	0.014
	LU6	ZBD LU6	0.014
	LU7	ZBD LU7	0.014
	LU8	ZBD LU8	0.014
	LU9	ZBD LU9	0.014
	LU10	ZBD LU10	0.014
	LU11	ZBD LU11	0.014
	LU12	ZBD LU12	0.014
	LU13	ZBD LU13	0.014
	LU14	ZBD LU14	0.014
8D1	ZBD 8D1	0.014	

(1) Set of 5 different coloured lenses: white, green, red, yellow and blue.



ZBG 455

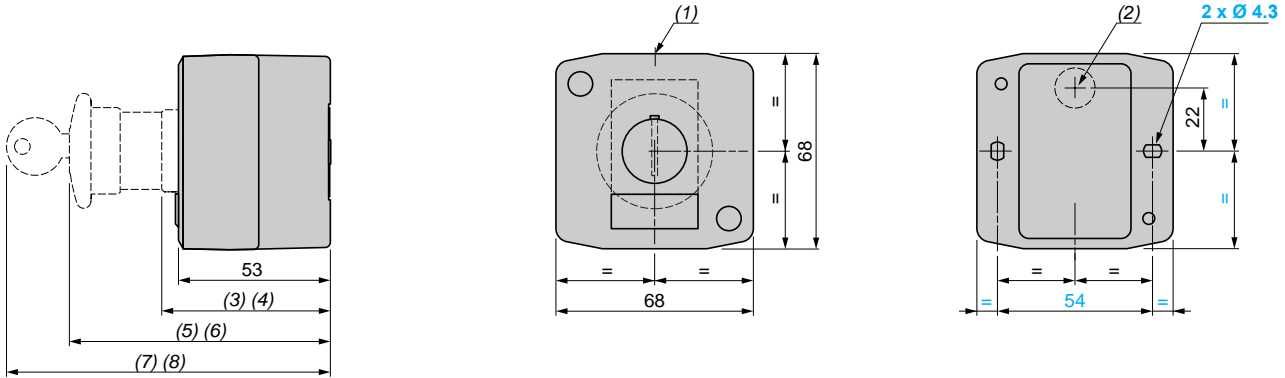
Control stations and enclosures

Control stations XAL

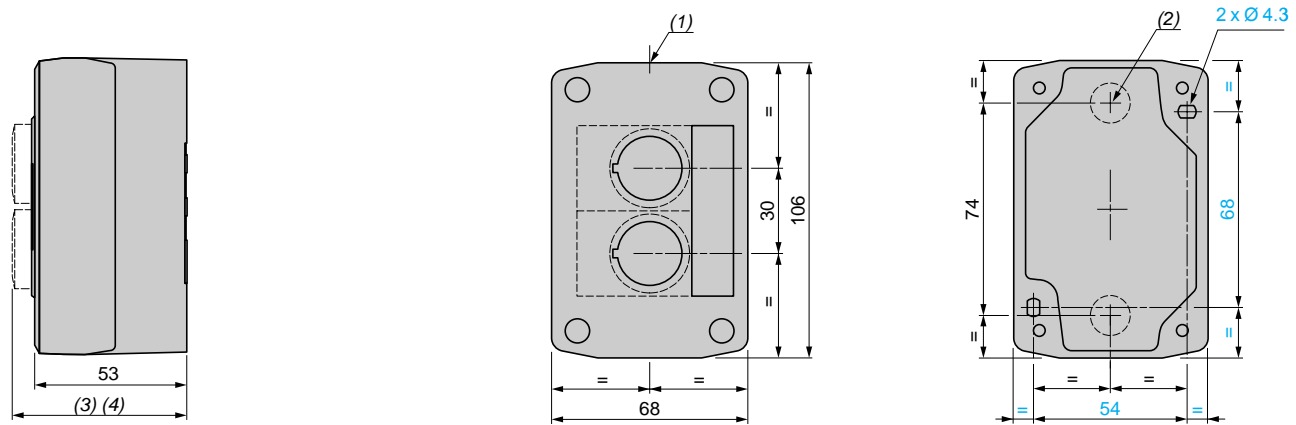
For Harmony® XB5 plastic Ø 22 control and signalling units

Dimensions

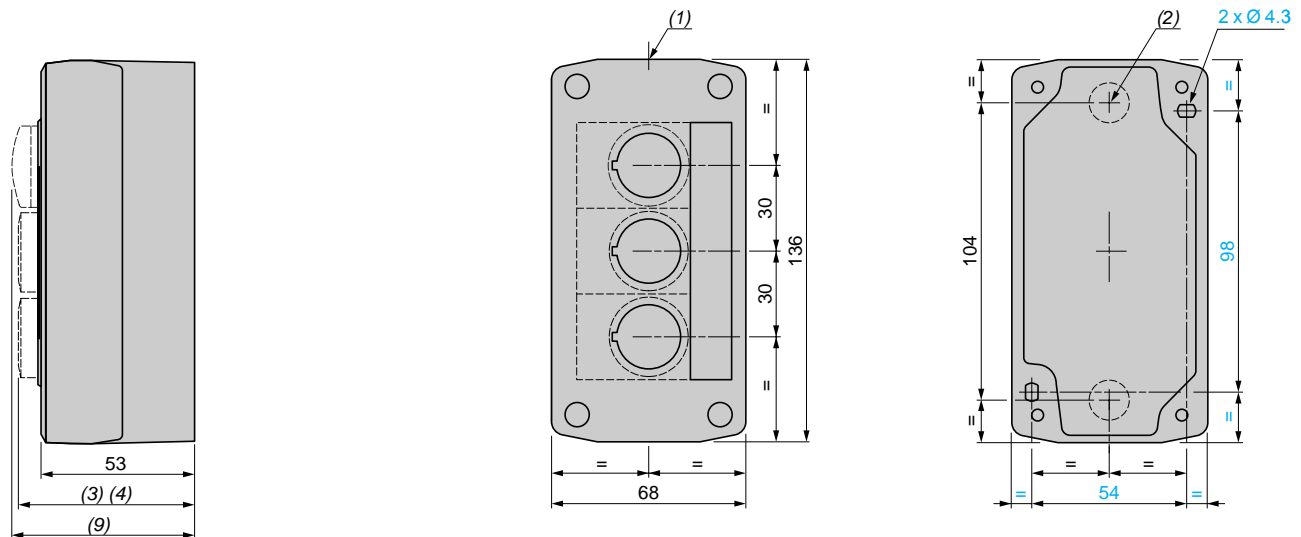
Single-way control stations XAL



2-way control stations XAL



3-way control stations XAL



- (1) 2 knock-outs for Pg 13.5 cable gland, maximum capacity 12 mm.
- (2) Knock-out for cable entry, maximum capacity 14 mm.

Examples

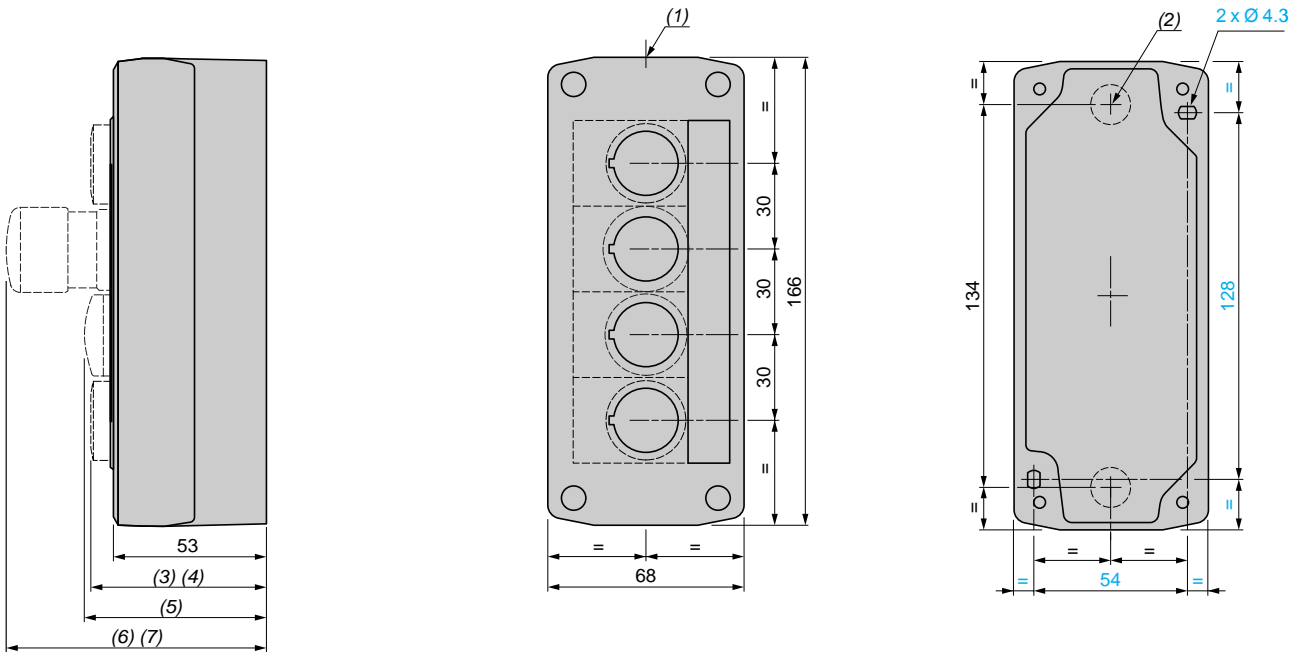
- (3) 62 mm for flush pushbuttons.
- (4) 66 mm for projecting pushbuttons.
- (5) 91 mm for latching mushroom head Emergency stop pushbuttons.
- (6) 82.5 mm for key switches.
- (7) 115 mm for latching mushroom head Emergency stop pushbuttons with key release.
- (8) 105.5 mm for key switches with key inserted.
- (9) 64 mm for pilot lights.

Control stations XAL

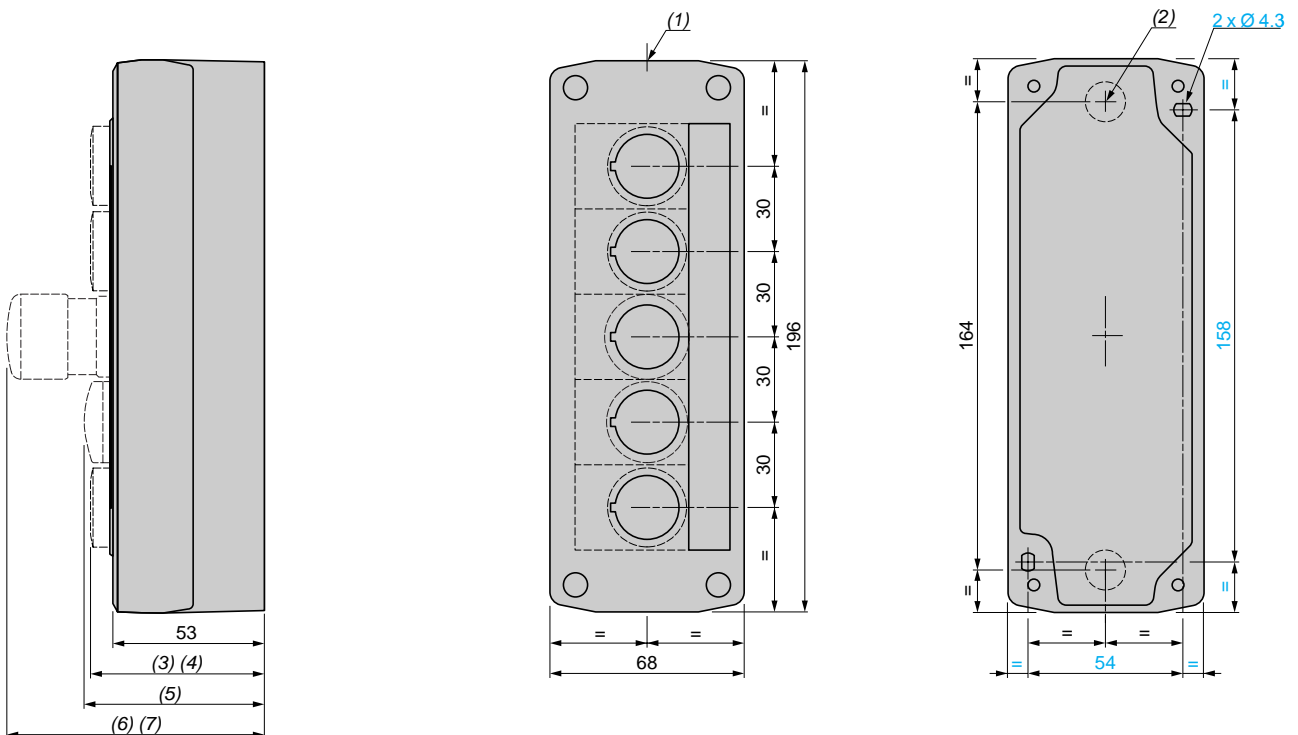
For Harmony® XB5 plastic Ø 22 control and signalling units

Dimensions (continued)

4-way control stations XAL



5-way control stations XAL



(1) 2 knock-outs for Pg 13.5 cable gland, maximum capacity 12 mm.

(2) Knock-out for cable entry, maximum capacity 14 mm.

Examples

(3) 62 mm for flush pushbuttons.

(4) 66 mm for projecting pushbuttons.

(5) 64 mm for pilot lights.

(6) 91.5 mm for mushroom head pushbuttons.

(7) 80 mm for selector switches.