

Control and signalling units Ø 22

Harmony® style 5

Pushbuttons and switches, with double insulated bezel

Sub-assemblies, ZB5-A: heads

Can be used with XAL control station, see page 5/13

Heads for selector switches (1)



ZB5-AD●

Standard
handle,
black

Shape of head	Type of operator	Number and type of positions	Reference	Weight kg
		2 - stay put	ZB5-AD2	0.024
		2 - stay put with actuation of centre contact	ZB5-AD2M	0.024
		2 - spring return from right to left	ZB5-AD4	0.024
		2 - spring return from right to left with actuation of centre contact	ZB5-AD4M	0.024
		3 - stay put	ZB5-AD3	0.024
		3 - spring return to centre	ZB5-AD5	0.024
		3 - spring return from left to centre	ZB5-AD7	0.024
		3 - spring return from right to centre	ZB5-AD8	0.024
		2 - stay put	ZB5-AD201	0.024
		2 - spring return from right to left	ZB5-AD401	0.024
		3 - stay put	ZB5-AD301	0.024
		3 - spring return to centre	ZB5-AD501	0.024
		3 - spring return from left to centre	ZB5-AD701	0.024
		3 - spring return from right to centre	ZB5-AD801	0.024
		2 - stay put	ZB5-AD203	0.024
		2 - spring return from right to left	ZB5-AD403	0.024
		3 - stay put	ZB5-AD303	0.024
		3 - spring return to centre	ZB5-AD503	0.024
		3 - spring return from left to centre	ZB5-AD703	0.024
		3 - spring return from right to centre	ZB5-AD803	0.024

Standard
handle,
whiteStandard
handle,
green

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

Assembly of other products using:
body/contact assemblies: see page 36168/2
accessories: see page 36170/2

Selector switches with standard handle ⁽¹⁾

Screw clamp terminal connections

Shape of head	Type of operator	Type of contact		Positions Number	Type	Reference	Weight
							kg
		N/O	N/C				

Complete units

		Standard handle, black		1	—	2-position	Stay put		XB5 AD21 (ZB5 AZ101 + ZB5 AD2)	0.043
				1	—		Spring return from right to left		XB5 AD41 (ZB5 AZ101 + ZB5 AD4)	0.046
				1	1		Stay put		XB5 AD25 (ZB5 AZ105 + ZB5 AD2)	0.043
				2	—	3-position	Stay put		XB5 AD33 (ZB5 AZ103 + ZB5 AD3)	0.043
							Spring return to centre		XB5 AD53 (ZB5 AZ103 + ZB5 AD5)	0.043

Heads only

		Standard handle, black		2-position	Stay put		ZB5 AD2	0.017
					Spring return from right to left		ZB5 AD4	0.020
				3-position	Stay put		ZB5 AD3	0.017
					Spring return to centre		ZB5 AD5	0.017
					Spring return from left to centre		ZB5 AD7	0.017
					Spring return from right to centre		ZB5 AD8	0.017

Heads only with other coloured handles

	Standard handle, white	add suffix 01 to the reference, example: ZB5 AD201
	Standard handle, green	add suffix 03 to the reference, example: ZB5 AD203
	Standard handle, red	add suffix 04 to the reference, example: ZB5 AD204
	Standard handle, yellow	add suffix 05 to the reference, example: ZB5 AD205
	Standard handle, blue	add suffix 06 to the reference, example: ZB5 AD206

(1) Recommended maximum number of contacts and sequence of contacts constituting the body (fixing collar + contact) associated with the head, see page 36172/2.

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勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Assembly of other products using:
body/contact assemblies: see page 36168/2
accessories: see page 36170/2

Control and signalling units Ø 22

Harmony® XB5, plastic

Selector switches with knurled knob - Toggle switches

Selector switches with knurled knob ⁽¹⁾

Shape of head	Type of operator	Positions			Reference	Weight kg
		Number	Type			
Heads only						
	Black knurled knob	2-position	Stay put		ZB5 AD29	0.020
			Spring return from right to left		ZB5 AD49	0.024
		3-position	Stay put		ZB5 AD39	0.020
			Spring return to centre		ZB5 AD59	0.020
			Spring return from left to centre		ZB5 AD79	0.020
			Spring return from right to centre		ZB5 AD89	0.020



ZB5 AD39

Toggle switches ⁽¹⁾

Shape of head	Type of operator	Positions		Reference	Weight kg	
		Number	Type			
Heads only						
	Black lever	2-position	Stay put		ZB5 AD28	0.023
			Spring return		ZB5 AD48	0.023
	White lever	2-position	Stay put		ZB5 AD2801	0.023
	Red lever	2-position	Stay put		ZB5 AD2804	0.023
	Blue lever	2-position	Stay put		ZB5 AD2806	0.023



ZB5 AD28

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Assembly of other products using:
combined sub-assemblies: see page 36168/6
accessories: see page 36170/2

Control and signalling units Ø 22

Harmony® XB5, plastic

Illuminated selector switches with standard handle,
with integral LED

Illuminated selector switches with standard handle, with integral LED ⁽¹⁾

Screw clamp terminal connections

Shape of head	Type of operator	Type of contact		Positions Number Type	Supply voltage	Colour of handle	Reference	Weight
					V			kg
Complete units								
  	Protected LED	1	1	2-position Stay put 	~ 24	Green	XB5 AK123B5 (ZB5 AW0B35 + ZB5 AK1233)	0.516
					Red	XB5 AK124B5 (ZB5 AW0B45 + ZB5 AK1243)	0.516	
					Orange	XB5 AK125B5 (ZB5 AW0B55 + ZB5 AK1253)	0.516	
					~ 48...120	Green	XB5 AK123G5 (ZB5 AW0G35 + ZB5 AK1233)	0.516
					Red	XB5 AK124G5 (ZB5 AW0G45 + ZB5 AK1243)	0.516	
					Orange	XB5 AK125G5 (ZB5 AW0G55 + ZB5 AK1253)	0.516	
					~ 230...240	Green	XB5 AK123M5 (ZB5 AW0M35 + ZB5 AK1233)	0.516
					Red	XB5 AK124M5 (ZB5 AW0M45 + ZB5 AK1243)	0.516	
					Orange	XB5 AK125M5 (ZB5 AW0M55 + ZB5 AK1253)	0.516	
		1	1	3-position Stay put 	~ 24	Green	XB5 AK133B5 (ZB5 AW0B35 + ZB5 AK1333)	0.516
					Red	XB5 AK134B5 (ZB5 AW0B45 + ZB5 AK1343)	0.516	
					Orange	XB5 AK135B5 (ZB5 AW0B55 + ZB5 AK1353)	0.516	
					~ 48...120	Green	XB5 AK133G5 (ZB5 AW0G35 + ZB5 AK1333)	0.516
					Red	XB5 AK134G5 (ZB5 AW0G45 + ZB5 AK1343)	0.516	
					Orange	XB5 AK135G5 (ZB5 AW0G55 + ZB5 AK1353)	0.516	
					~ 230...240	Green	XB5 AK133M5 (ZB5 AW0M35 + ZB5 AK1333)	0.516
					Red	XB5 AK134M5 (ZB5 AW0M45 + ZB5 AK1343)	0.516	
					Orange	XB5 AK135M5 (ZB5 AW0M55 + ZB5 AK1353)	0.516	

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 36172/2.

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Assembly of other products using:
combined sub-assemblies: see page 36168/6
accessories: see page 36170/2

Control and signalling units Ø 22

Harmony® XB5, plastic

Illuminated selector switches with standard handle,
with integral LED

Illuminated selector switches with standard handle, with integral LED (continued) (1)

Shape of head	Type of operator	Positions Number	Type		Colour of handle	Reference	Weight kg
Heads only (2)							
 Protected LED	Standard handle	2-position	Stay put		White	ZB5 AK1213	0.016
					Green	ZB5 AK1233	0.016
					Red	ZB5 AK1243	0.016
					Orange	ZB5 AK1253	0.016
					Blue	ZB5 AK1263	0.016
	Spring return from right to left			White	ZB5 AK1413	0.017	
				Green	ZB5 AK1433	0.017	
				Red	ZB5 AK1443	0.017	
				Orange	ZB5 AK1453	0.017	
				Blue	ZB5 AK1463	0.017	
	3-position	Stay put		White	ZB5 AK1313	0.016	
				Green	ZB5 AK1333	0.016	
				Red	ZB5 AK1343	0.016	
				Orange	ZB5 AK1353	0.016	
				Blue	ZB5 AK1363	0.016	
	Spring return to centre			White	ZB5 AK1513	0.016	
				Green	ZB5 AK1533	0.016	
				Red	ZB5 AK1543	0.016	
				Orange	ZB5 AK1553	0.016	
				Blue	ZB5 AK1563	0.016	
	Spring return from right to centre			White	ZB5 AK1813	0.016	
				Green	ZB5 AK1833	0.016	
				Red	ZB5 AK1843	0.016	
				Orange	ZB5 AK1853	0.016	
				Blue	ZB5 AK1863	0.016	
	Spring return from left to centre			White	ZB5 AK1713	0.016	
				Green	ZB5 AK1733	0.016	
				Red	ZB5 AK1743	0.016	
				Orange	ZB5 AK1753	0.016	
				Blue	ZB5 AK1763	0.016	

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 36172/2.

(2) Only for use with bodies comprising a light source with integral LED.

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Assembly of other products using:
body/contact assemblies: see page 36168/2
accessories: see page 36170/2

Selector switches with long handle ⁽¹⁾

Screw clamp terminal connections

Shape of head	Type of operator	Type of contact		Positions		Reference	Weight
				Number	Type		
		N/O	N/C				kg

Complete units

		Long handle, black	1	—	2-position	Stay put		XB5 AJ21 (ZB5 AZ101 + ZB5 AJ2)	0.043
			2	—	3-position	Stay put		XB5 AJ33 (ZB5 AZ103 + ZB5 AJ3)	0.043
						Spring return to centre		XB5 AJ53 (ZB5 AZ103 + ZB5 AJ5)	0.043

Heads only

		Long handle, black			2-position	Stay put		ZB5 AJ2	0.017
						Spring return from right to left		ZB5 AJ4	0.020
					3-position	Stay put		ZB5 AJ3	0.017
						Spring return to centre		ZB5 AJ5	0.017
						Spring return from left to centre		ZB5 AJ7	0.017
						Spring return from right to centre		ZB5 AJ8	0.017

Key switches ⁽¹⁾

Screw clamp terminal connections

Shape of head	Type of operator	Type of contact		Positions		Reference	Weight
				Number	Type (2)		
		N/O	N/C				kg

Complete units

		Key switch with key n° 455	1	—	2-position	Stay put		XB5 AG21 (ZB5 AZ101 + ZB5 AG2)	0.831
								XB5 AG41 (ZB5 AZ101 + ZB5 AG4)	0.831
						Spring return to left		XB5 AG61 (ZB5 AZ101 + ZB5 AG6)	0.870
			2	—	3-position	Stay put		XB5 AG03 (ZB5 AZ103 + ZB5 AG0)	0.831
								XB5 AG33 (ZB5 AZ103 + ZB5 AG3)	0.831

(1) Recommended maximum number of contacts and sequence of contacts constituting the body (fixing collar + contact) associated with the head, see page 36172/2.

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

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Assembly of other products using:
body/contact assemblies: see page 36168/2
accessories: see page 36170/2

Key switches (continued) (1) Screw clamp terminal connections

Shape of head	Type of operator	Positions (2)		Reference	Weight kg
		Number	Type		
Heads only					
 ZB5 AG2	 Key switch with key n° 455 (3) (4)	2-position	Stay put	 ZB5 AG2	0.057
				 ZB5 AG02	0.057
				 ZB5 AG4	0.057
				 ZB5 AG6	0.061
		3-position	Stay put	 ZB5 AG0	0.057
				 ZB5 AG3	0.057
				 ZB5 AG5	0.057
				 ZB5 AG9	0.057
				 ZB5 AG09	0.057
				 ZB5 AG1	0.057
				 ZB5 AG7	0.057
				 ZB5 AG8	0.057
				 ZB5 AG05	0.057
				 ZB5 AG08	0.057
 ZB5 AG3	 Key switch with key n° 8D1	2-position	Stay put	 ZB5 AG2D	0.057
				 ZB5 AG02D	0.057
				 ZB5 AG4D	0.057
				 ZB5 AG6D	0.061
		3-position	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
				 ZB5 AG04D	0.057
				 ZB5 AG06D	0.057
				 ZB5 AG1D	0.057
				 ZB5 AG07D	0.057
				 ZB5 AG8D	0.057
				 ZB5 AG08D	0.057
				 ZB5 AG05D	0.057
				 ZB5 AG7D	0.057

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(1) Recommended maximum number of contacts and sequence of contacts constituting the body (fixing collar + contact) associated with the head, see page 36172/2.

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

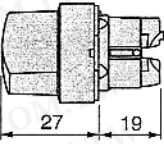
(4) For specific keys with other numbers, please consult your Regional Sales Office.

Harmony® XB5, plastic
Pushbuttons, switches and pilot lights:
sub-assemblies, ZB5 A

Heads for selector switches

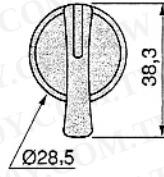
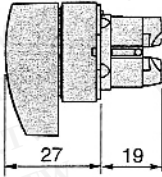
Standard handle

ZB5 AD●, ZB5 AD●M



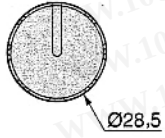
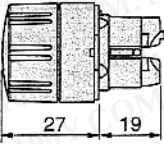
Long handle operator

ZB5 AJ●, ZB5 AJ●M



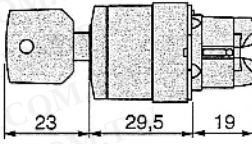
Black knurled knob

ZB5 AD●9



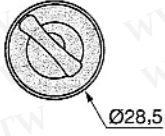
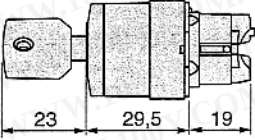
Key switch (Ronis n° 455)

ZB5 AG●, ZB5 AG0●, ZB5 AG●M



Key switch (DOM n° 8D1)

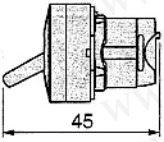
ZB5 AGD



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Heads for toggle switches

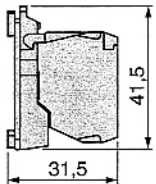
ZB5 AD●8



Bodies for pushbuttons and switches

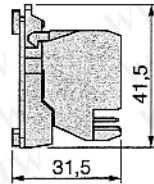
Screw clamp terminal connections

ZB5 AZ10●, ZB5 AZ141



Plug-in connector

ZB5 AZ10●4, ZB5 AZ1414



Assembly of other products using:
body/contact assemblies: see page 114
accessories: see page 128

Selector switches with standard handle (1)

Screw clamp terminal connections

Shape of head	Type of operator	Type of contact		Positions		Reference	Weight kg
		N/O	N/C	Number	Type		

Complete units

		Standard handle, black		1	—	2-position	Stay put		XB5 AD21 (ZB5 AZ101 + ZB5 AD2)	0.043
				1	—		Spring return from right to left		XB5 AD41 (ZB5 AZ101 + ZB5 AD4)	0.046
				1	1		Stay put		XB5 AD25 (ZB5 AZ105 + ZB5 AD2)	0.043
				2	—	3-position	Stay put		XB5 AD33 (ZB5 AZ103 + ZB5 AD3)	0.043
							Spring return to centre		XB5 AD53 (ZB5 AZ103 + ZB5 AD5)	0.043

Heads only

		Standard handle, black				2-position	Stay put		ZB5 AD2	0.017
							Spring return from right to left		ZB5 AD4	0.020
						3-position	Stay put		ZB5 AD3	0.017
							Spring return to centre		ZB5 AD5	0.017
							Spring return from left to centre		ZB5 AD7	0.017
							Spring return from right to centre		ZB5 AD8	0.017

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Heads only with other coloured handles

	Standard handle, white	add suffix 01 to the reference, example: ZB5 AD201
	Standard handle, green	add suffix 03 to the reference, example: ZB5 AD203
	Standard handle, red	add suffix 04 to the reference, example: ZB5 AD204
	Standard handle, yellow	add suffix 05 to the reference, example: ZB5 AD205
	Standard handle, blue	add suffix 06 to the reference, example: ZB5 AD206

(1) Recommended maximum number of contacts and sequence of contacts constituting the body (fixing collar + contact) associated with the head, see page 86.