

Moditech s.r.l.		TEST REPORT		NR: CC1K2902 / 01
Busnago (MB)	ROUTINE TEST ANS	CEI-EN 60298/A11 /V2 (1-52KV)	CEI-EN 60439/1 (Ui<1000Vac Ui<1500Vcc)	
ns. reference CC1K2902	Customer	DESMET BALLESTRA		
	Order customer	121846	of	31/07/2012
Year 2012	Projet	SABIZ - NIGERY		
Description	LOCAL PUSH-BUTTON			Q.ty 5
Contractual documents :	-Drawing	:	2F11-70-003	
	-Spec.	:	2F11-70-009	
	-Other	:	/	
Electrical data :	Rated voltage main circuit	..... V	Frequency	.....Hz
	Rated voltage control circuit	..... V	Frequency	.....Hz
	Rated voltage signalling circuit	..... V	Frequency	.....Hz
EQUIPMENT CHECK				
01	Efficacy test mechanical control's elements, blocks,bolts etc...	<input checked="" type="checkbox"/>	notes .....	
02	Test of right assembling of the intruments	<input checked="" type="checkbox"/>	.....	
03	Sight examination of the respect of the expected protection grade IP.....	<input checked="" type="checkbox"/> 65	.....	
04	Sight examination of the respect of the expected painting colour RAL.....	<input checked="" type="checkbox"/> BLU BASE	.....	
05	Test of right disposition of the cables and conductor	<input type="checkbox"/>	.....	
06	Check of the connections, especially the screw and the bolted ones	<input type="checkbox"/>	.....	
07	Sight examination of the superficial air distance	<input checked="" type="checkbox"/>	.....	
08	Check of the datas and the plates and their corrispondence	<input checked="" type="checkbox"/>	.....	
09	Check of the conformity to the technical datas, the circuit and the wiring	<input type="checkbox"/>	.....	
10	Check of protection device	<input checked="" type="checkbox"/>	.....	
11	Check of the wiring (eventual)	<input type="checkbox"/>	.....	
12	Check of the electrical working (eventual)	<input type="checkbox"/>	.....	
13	.....	<input type="checkbox"/>	.....	
14	.....	<input type="checkbox"/>	.....	
15	.....	<input type="checkbox"/>	.....	
APPLIED VOLTAGE TEST (eventual) whit instrument N. ....				
01 Main circuit	( Insulat. rated voltage.Ui.....V )	Raded voltage test for 60 sec. ....KV	<input type="checkbox"/>	.....
02 Control circuit	( Insulat. rated voltage.Ui.....V )	Raded voltage test for 60 sec. ....KV	<input type="checkbox"/>	.....
03 Segnalling circuit	( Insulat. rated voltage.Ui.....V )	Raded voltage test for 60 sec. ....KV	<input type="checkbox"/>	.....
04 .....circuit	( Insulat. rated voltage.Ui.....V )	Raded voltage test for 60 sec. ....KV	<input type="checkbox"/>	.....
Insulation RESISTANCE Measurement (satisfactory for R>1000ohm/V) with instrument N. ....				
01 Main circuit	Check with Megger of :.....V	Insulating value : .....	Mohm	<input type="checkbox"/>
02 Control circuit	Check with Megger of :.....V	Insulating value : .....	Mohm	<input type="checkbox"/>
03 Segnalling circuit	Check with Megger of :.....V	Insulating value : .....	Mohm	<input type="checkbox"/>
04 .....circuit	Check with Megger of :.....V	Insulating value : .....	Mohm	<input type="checkbox"/>
NOTES : .....				
FINAL RESULT :	<input checked="" type="checkbox"/> NO COMMENT	<input type="checkbox"/> COMMENT AS ANNEXED .....		
Place	BUSNAGO (MB)		Date :	18/10/2012
per Moditech	MODITECH	for	Customer .....	
	<i>M. V. M.</i>			
	CONTROLLO QUALITA' COSTRUZIONI			

## CONFORMITY DECLARATION

N° DC\_2902/01

Of: 19/10/2012

*Moditech declares, under its own liability, that the product :*

NAME HC-62.A1 / HC-62.A2 / HC-62.F6 / HC-62.P1 / HC-64.W4  
SERIAL NUMBER 2F11  
YEAR 2012  
  
Built for DESMET BALLESTRA S.p.A.  
Order Nr. 121846 Of: 31/07/2012  
Position ALL POSITION  
Lot 1  on account  balance  
  
Destination SABIZ - NIGERY

*to which this declaration refers, it is complied with the following rules :*

- |  |  |
|--|--|
| <input type="checkbox"/> EN 60439-1 (CE)                   | <input type="checkbox"/> EN 60204-1 (CE)                   |
| <input checked="" type="checkbox"/> IEC 60439-1 (extra CE) | <input checked="" type="checkbox"/> IEC 60204-1 (extra CE) |

*according to the following directives:*

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> 2006/95/CE | <input checked="" type="checkbox"/> 2004/108/CE |
| <input checked="" type="checkbox"/> 98/37/CE   | <input type="checkbox"/> 94/9/CE                |

*the results of checks are carried in the**test report*

Nr.: CC1K2902/01

Of: 18/10/2012

*concerning to the lot Nr. : 5 product unit.*

BUSNAGO date :

19/10/2012

signature  
and stampSole Director  
Massimo GALLI

## 2-Head Push Buttons

1. Select operator head type
2. Select mounting base and contact block



Operator Head Type	Color	Catalog No.
Two Flush Buttons	<input checked="" type="radio"/> Green / <input type="radio"/> Red	ZB4BA7340
	<input type="radio"/> Black / <input checked="" type="radio"/> White	ZB4BA7120
Two Flush Buttons Marked "I" & "O"	<input checked="" type="radio"/> Green / <input type="radio"/> Red	ZB4BA7341
	<input type="radio"/> Black / <input checked="" type="radio"/> White	ZB4BA7121
One Flush & One Extended Button	<input checked="" type="radio"/> Green / <input type="radio"/> Red	ZB4BL7340
One Flush & One Extended Button Marked "I" & "O"	<input checked="" type="radio"/> Green / <input type="radio"/> Red	ZB4BL7341

+



Mounting Base & Contact Block	
N.O./N.C.	Catalog No.
1 N.O.	ZB4AZ101
1 N.C.	ZB4AZ102
2 N.O.	ZB4AZ103
2 N.C.	ZB4AZ104
1 N.O. + 1 N.C.	ZB4AZ105

## LED Pilot Lights

1. Select operator head type
2. Select LED lamp with mounting base



Operator Head Type	Action	Color	Catalog No.
Round	None	<input type="radio"/> White	ZB4BV013
		<input checked="" type="radio"/> Green	ZB4BV033
		<input type="radio"/> Red	ZB4BV043
		<input type="radio"/> Yellow	ZB4BV053
		<input type="radio"/> Blue	ZB4BV063

+



Color	LED Lamp & Mounting Base	Catalog No.
<input type="radio"/> White	24 VAC/DC	ZB4BVB1
	120 VAC/DC	ZB4BVG1
<input checked="" type="radio"/> Green	24 VAC/DC	ZB4BVB3
	120 VAC/DC	ZB4BVG3
<input type="radio"/> Red	24 VAC/DC	ZB4BVB4
	120 VAC/DC	ZB4BVG4
<input type="radio"/> Yellow	24 VAC/DC	ZB4BVB5
	120 VAC/DC	ZB4BVG5
<input type="radio"/> Blue	24 VAC/DC	ZB4BVB6
	120 VAC/DC	ZB4BVG6

## Legend Plates



Legend Plate & Inserts	Catalog No.
Legend Holder	ZBZ32
Auto	ZBY2115
Auto-Hand	ZBY2364
Close	ZBY2314
Down	ZBY2308
Fast	ZBY2328
Forward	ZBY2305
For-Rev	ZBY2371
Hand	ZBY231
Hands-Off-Auto	ZBY2387
Off	ZBY2312
Off-On	ZBY2367
On	ZBY2311
Open	ZBY2313
Reset	ZBY2323
Reverse	ZBY2306
Run	ZBY2334
Slow	ZBY2327
Start	ZBY2303
Stop	ZBY2304
Stop-Start	ZBY2366
Up	ZBY2307

## Contact Blocks



## Accessories



Description	Catalog No.
Screw Terminals	

Description	Catalog No.
Mounting Base	ZB4BZ009

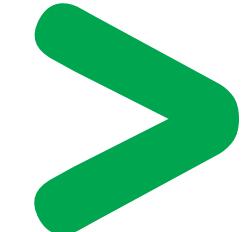
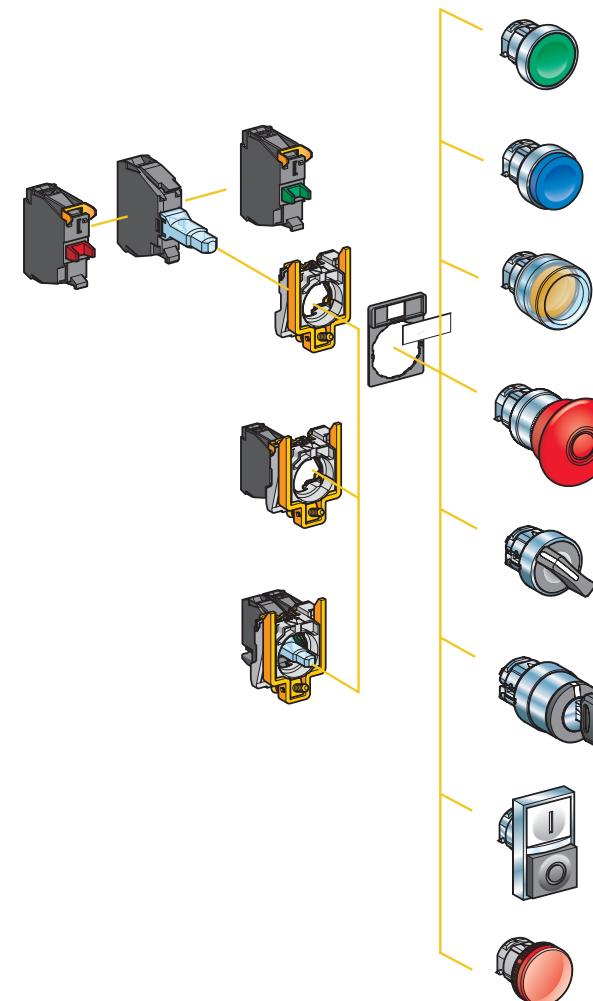
## Selling Points

- Complete range of products
- Allows customer assembly using separate parts and common accessories
- Easy-to-install chrome-plated die-cast construction
- Zero-maintenance LED lights protected against short circuits, overvoltage, reverse polarity and electromagnetic interference
- No-notch mounting in a 22 mm (7/8 in.) diameter hole
- NEMA rated: 1, 2, 3, 4, 4X, 12 and 13
- Meets IEC standards
- UL listed, CSA certified and CE marked

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# Simple Selector

22 mm Chrome Push Buttons,  
Selector Switches and Pilot Lights



Make the most of your energy™

**Schneider**  
 Electric

## Non-Illuminated Push Buttons

1. Select operator head type
2. Select mounting base
3. Select contact block



Operator Head Type	Action	Color	Operator Head Catalog No.
Flush	Momentary	○ White	ZB4BA1
		● Black	ZB4BA2
		● Green	ZB4BA3
		● Red	ZB4BA4
		● Yellow	ZB4BA5
		● Blue	ZB4BA6
Extended	Momentary	○ White	ZB4BL1
		● Black	ZB4BL2
		● Green	ZB4BL3
		● Red	ZB4BL4
		● Yellow	ZB4BL5
		● Blue	ZB4BL6
Booted	Momentary	○ White	ZB4BP1
		● Black	ZB4BP2
		● Green	ZB4BP3
		● Red	ZB4BP4
		● Yellow	ZB4BP5
		● Blue	ZB4BP6
40 mm Mushroom	Turn to release	● Black	ZB4BS52
		● Red	ZB4BS54
	Push-pull	● Black	ZB4BT2
		● Red	ZB4BT4
60 mm Mushroom	Turn to release	● Black	ZB4BS62
		● Red	ZB4BS64
	Push-pull	● Black	ZB4BX2
		● Red	ZB4BX4

## LED Illuminated Push Buttons

1. Select operator head
2. Select mounting base



Operator Head Type	Action	Color	Catalog No.
Flush	Momentary Action	○ White	ZB4BW313
		● Green	ZB4BW333
		● Red	ZB4BW343
		● Yellow	ZB4BW353
		● Blue	ZB4BW363

Color	LED Lamp & Mounting Base with 1 N.O.+ 1 N.C. Contact Block	Catalog No.
○ White	24 VAC/DC	ZB4BW0B15
	120 VAC	ZB4BW0G15
● Green	24 VAC/DC	ZB4BW0B35
	120 VAC	ZB4BW0G35
● Red	24 VAC/DC	ZB4BW0B55
	120 VAC	ZB4BW0G55
● Yellow	24 VAC/DC	ZB4BW0B55
	120 VAC	ZB4BW0G55
● Blue	24 VAC/DC	ZB4BW0B65
	120 VAC	ZB4BW0G65

N.O. = Normally Open  
N.C. = Normally Closed



## Selector Keys

## Illuminated Selector Switches

1. Select operator head type
2. Select LED lamp module
3. Select mounting base and contact block



Operator Head Type		
Number of Positions	Lever Color	Catalog No.
2-Position	● Green	ZB4BK1233
	● Red	ZB4BK1243
	● Yellow	ZB4BK1253
3-Position	● Green	ZB4BK1333
	● Red	ZB4BK1343
	● Yellow	ZB4BK1353

Color	LED Lamp Module	Catalog No.
● Green	24 VAC/DC	ZBVB3
	120 VAC	ZBVG3
● Red	24 VAC/DC	ZBVB4
	120 VAC	ZBVG4
● Yellow	24 VAC/DC	ZBVB5
	120 VAC	ZBVG5

Desired Contact Configuration			Mounting Base & Contact Block Mounting Position	
Lever Position Left	Lever Position Center	Lever Position Right	Left Position Catalog No.	Right Position Catalog No.
Off	—	On	—	ZB4BZ101
On	—	Off	ZB4BZ102	—
On	—	On	ZB4BZ101	ZBE101
On	Off	On	—	ZB4BZ101
Off	On	Off	ZB4BZ102	—
Off	On	On	ZB4BZ101	ZBE101
On	Off	Off	ZB4BZ102	ZBE101
On	On	Off	ZB4BZ101	—

## Non-Illuminated Selector Switches

1. Select operator head type
2. Select mounting base and contact block



Operator Head Type				
Number of Positions	Lever Type	Lever Returns to	Color	Catalog No.
2-Position	Extended	Maintained	● Black	ZB4BJ2
	Standard	Left	● Black	ZB4BD4
	Extended	Left	● Black	ZB4BJ4
3-Position	Standard	Maintained	● Black	ZB4BD3
	Extended	Maintained	● Black	ZB4BJ3
	Standard	Center	● Black	ZB4BD5
	Extended	Center	● Black	ZB4BJ5

Desired Contact Configuration			Mounting Base & Contact Block Mounting Position	
Lever Position Left	Lever Position Center	Lever Position Right	Left Position Catalog No.	Right Position Catalog No.
Off	—	On	—	ZB4BZ101
On	—	Off	ZB4BZ102	—
On	—	On	ZB4BZ101	ZBE101
On	Off	On	—	ZB4BZ101
Off	On	Off	ZB4BZ102	—
Off	On	On	ZB4BZ101	ZBE101
On	Off	Off	ZB4BZ102	ZBE101
On	On	Off	ZB4BZ101	—

## Non-Illuminated Key Switches

1. Select operator head type
2. Select mounting base and contact block



Desired Contact Configuration			Mounting Base & Contact Block Mounting Position	
Lever Position Left	Lever Position Center	Lever Position Right	Left Position Catalog No.	Right Position Catalog No.
Off	—	On	—	ZB4BZ101
On	—	Off	ZB4BZ102	—
On	—	On	ZB4BZ101	ZBE101
On	Off	On	—	ZB4BZ101
Off	On	Off	ZB4BZ102	—
Off	On	On	ZB4BZ101	ZBE101
On	Off	Off	ZB4BZ102	ZBE101
On	On	Off	ZB4BZ101	—

## Control stations and enclosures

Control station enclosures: insulated, metal and flush mounting  
With cut-outs for Ø 22 control and signalling units

### References

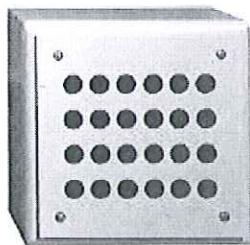
Description	Front face dimensions mm	Number of cut-outs	Number of rows Vertical	Number of rows Horizontal	Reference	Weight kg
<b>Die-cast metal enclosures (blue lid and base)</b>						
Zinc alloy Usable depth 49 mm	80 x 80	1	1	1	XAP M1201	0.455
		2	2	1	XAP M1202	0.450
	80 x 130	2	1	2	XAP M2202	0.610
		3	1	3	XAP M2203	0.605
		4	2	2	XAP M2204	0.600
	80 x 175	3	1	3	XAP M3203	0.870
		4	1	4	XAP M3204	0.880
		6	2	3	XAP M3206	0.870
Zinc alloy Usable depth 74.5 mm	80 x 80	1	1	1	XAP M1501	0.605
		2	2	1	XAP M1502	0.600
	80 x 130	2	1	2	XAP M2502	0.810
		3	1	3	XAP M2503	0.815
		4	2	2	XAP M2504	0.810
	80 x 175	3	1	3	XAP M3503	1.145
		4	1	4	XAP M3504	1.140
		6	2	3	XAP M3506	1.130
	80 x 220	6	1	6	XAP M4506	1.380
		8	2	4	XAP M4508	1.370
Aluminium Usable depth 74.5 mm	85 x 310	8	1	8	XAP M5508	0.810
		12	2	6	XAP M5512	0.790
Aluminium Usable depth 78 mm	150 x 150	6	3	2	XB2 SL32009	0.970
		8	4	2	XB2 SL42009	0.960
<b>Die-cast metal enclosures (yellow lid, blue base)</b>						
Zinc alloy Usable depth 49 mm	80 x 80	1	1	1	XAP J1201	0.455
Zinc alloy Usable depth 74.5 mm	80 x 80	1	1	1	XAP J1501	0.605
<b>Sheet steel enclosures</b>						
Usable depth 115 mm	200 x 200	8	4	2	XB2 SL42007	3.100
	200 x 260	16	4	4	XB2 SL44007	3.900
	260 x 260	24	6	4	XB2 SL64007	4.700
	260 x 320	30	6	5	XB2 SL65007	5.500
	320 x 320	40	8	5	XB2 SL85007	6.200
<b>Other versions</b>		Insulated and metal control station enclosures with cut-outs for Ø 30 control and signalling units. Protective guards and fixing lugs for die-cast metal enclosures. Insulated and metal control station enclosures pre-fitted with Ø 30 units. Adjustable floor mounting pedestal (790 mm to 1143 mm) for sheet steel enclosures. Please consult your Regional Sales Office.				



XAP M1202      XAP M2203



XB2 SL42009



XB2 SL64007

