

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20190809-E164353  
**Report Reference** E39281-20180108  
**Issue Date** 2019-AUGUST-09

**Issued to:** Schneider Electric Industries S A, DBA Telemecanique  
8001 Knightdale Blvd  
Knightdale NC 27545

**This certificate confirms that  
representative samples of** AUXILIARY DEVICES  
See Addendum Page

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.


**Standard(s) for Safety:** UL 508 and CSA C22.2 NO. 14-18 STANDARD FOR  
INDUSTRIAL CONTROL EQUIPMENT.

**Additional Information:** See the UL Online Certifications Directory at  
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Flush Push button and pilot light assemblies (22 mm line) Cat. No. XB4F or XB5F, followed by A, D, G, H, J, K, L, V, or W, followed by two, three, four, or five numbers and / or letter suffixes, C0, C1 or CUST.

Operators, Cat. No. ZB4F or ZB5F, followed by A, D, G, H, J, or L, followed by 0, 1, 2, 3, 4 5, 6, 7, 8 or 9, followed by one, two, three or four alphanumeric digits, C0, C1 or CUST.

Pilot light heads, Cat. No. ZB4FV0 or ZB5FV0 followed by two numbers,  
May be followed by, C0, C1 or CUST.

Illuminated operators, Cat. No. ZB4F or ZB5F, followed by W, H, or K followed by one, two, three, or four alphanumeric digits, C0, C1 or CUST.

Accessories: Legend holders, anti-rotation plate, caps, Cat. No. ZBA, ZBY, ZBZ, ZB4FBZ, ZB5FAZ, ZB4FS, ZB5FS followed by any alphanumeric digits.

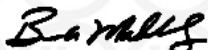
## NOMENCLATURE:

They are designated as follows.

XB4F... or ZB4F... for flush metal range  
XB5F... or ZB5F... for flush plastic range

Pushbuttons: ZB4F  
ZB5F

Flush	(1)	A
Push push	(1)	H
Extended		L
Without cap		0
White		1
Black		2
Green		3
Red		4
Yellow		5
Blue		6
Gray		8
Blue Sky		9



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May be followed by a one or two digit number determining other characteristics of the operator (marking, etc...)

- (1): These operators can also be used for illuminated push button  
when the last digit is 8.

Selectors: ZB4F  
ZB5F

With knob D  
With lever J

Two maintained positions 2  
With one return position 4

Three maintained positions 3  
with two return positions 5  
with one from left return position 7  
with one from right return position 8

may be followed by a one, two or three alphanumeric digit determining other characteristics of the operator (color, key number, etc...)

Key operators: ZB4FG  
ZB5FG

Two maintained positions 2  
with recess in the left position 4  
with recess in the two positions

Two positions with return from right to left  
and recess in the left position 6

Three maintained positions 3  
with recess in neutral position 5  
with recess in left and right position 9  
with recess in left position 0  
with recess in the three positions

Three positions with return from left to neutral and  
recess in right position. 1

Three positions with two return positions  
and recess in neutral position. 7

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may be followed by a one, two or three alphanumeric digit determining other characteristics of the operator (color, key number, etc...)

## Accessories:

### Legend holders:

For circular head, legend not provided	ZBZF
For circular head, legend provided	ZBYF

Followed by any alphanumeric number indicating legend holder size, legend size and wording content.

### Plug

Metal, for circular head	ZB4FSZ3
Plastic, for circular head	ZB5FSZ3

### Earthing plate:

Only for ZB4F metallic flush type	ZB4FBZ100
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### Spacer:

Only for ZB4F metallic flush type	ZB4FBZ010
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### Nuts:

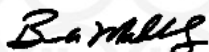
Only for ZB5F plastic flush head	ZB5FAZ901
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### Anti-rotation plate:

Only for ZB5F plastic flush type	ZB5FAZ902
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### Liquid spray protection washer:

Only for ZB4F metallic flush type	ZB4FBZ007
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Contact elements: ZBE

Empty	000
with one NO	101
with one NC	102
with one NO (early make)	201
with one NC (late break)	202
with two NO	203
with two NC	204
with one NC + one NO	205
low power switching	6
low power switching and dust protected	6P
Quick connect terminals	3
Spring clamp terminals	5
Ring tongue terminals	9
Option for specific marking (not critical)	J

LED pilot light energy limiter subunit:

For pilot light 120V	ZBZ-VG
For pilot light 230V	ZBZ-VM

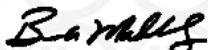
A complete device (operator plus fixing base plus contact) is symbolized by XB4F or XB5F followed by:

A letter determining the type of operator, a number determining the characteristic of the operator (Colors and / or duty) and the nature and number of contacts, may include additional digits C0, C1 or CUST.  
(C0- Paint in grey, C1- Paint in White, CUST-Paint in any other color.)

The designation of the complete device appears on the packaging only.

Pilot light heads: ZB4FV0  
ZB5FV0

Heads delivered with 6 different colored lenses	03
White	13
green	33
red	43
orange	53
blue	63
yellow	83



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## Pilot light element:

Full voltage type	ZBV - 6
With integrated LED (steady light)	ZBV -
With integrated LED (flashing light)	ZBV-18
With integrated LED for use in control station type XAL	ZAL-V or ZAL-V18

24 V	B
12 V	J
110...120 V	G
230 V	M
24...120 V	BG
16 V	S
White	1
Green	3
Red	4
Orange	5
Blue	6
Yellow	8
Quick connect terminals	3
Spring clamp terminals	5
Ring tongue terminals	9
Bright LED	S

## Test output unit for connection with ZBV elements:

For full voltage type	ZB.-.V156
For 24 V integrated LED type	ZB.-.VB.156
For use with integral LED type	ZBZ.-.156
Illuminated push button heads:	ZB4FW
	ZB5FW

Flush	3
Extended head	1
White	13
green	33
red	43
orange	53

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blue	63
Clear	73
yellow	83

Illuminated push/push operators: ZB4FH  
ZB5FH

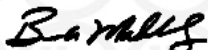
Flush head	0
Extended head	-
White	13
green	33
red	43
orange	53
blue	63
yellow	83

Illuminated selector operator: ZB4FK1  
ZB5FK1

Two maintained positions	2
With one return position	4
Three maintained positions	3
with two return positions	5
with one from left return position	7
with one from right return position	8
White	13
green	33
red	43
orange	53
blue	63
yellow	83

Illuminated push button subunit:  
(With fixing base + pilot light + contact) ZB5FW0

Full voltage type	6
With integrated LED	J
12V	B
24V	G
110...120V	M
230V	
Transformer type	
Primary voltage	
110 /120V	3
230V 50Hz, 220/240V 60 Hz	4
400V	5
440 / 480V	8
550 / 600V	9
Ring tongue terminals (suffix)	9



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A complete device (operator plus fixing base plus pilot light plus contact) is symbolized by: XB4F or XB5F followed by three, four or five numbers and / or letter suffixes determining the type of the operator, the type of the pilot light and the type and number of contacts, may include additional digits C0, C1 or CUST.

The designation of the complete device appears on the packaging only.

## RATINGS:

Contact Block:	Rating
ZBE	A600, Q600
ZBE-1016, 1016P, 1026, 1026P	24 V, 100 mA resistive
ZBE-201 and contact block with quick connect terminals	A300-Q300

Pilot Lights:	Rating
Direct supply for BA9 s bulb	250 V max, 2.4 W max
LED type	12 V ac/dc 24 V ac/dc 110 / 120 V ac 230 / 240 V ac 24 / 120 V ac/dc
Transformer Type	Primary: 110 - 120 V, 50/60 Hz; 230 V 50 Hz or 220 - 240 V, 60 Hz 400 V, 50 Hz; 440 - 480 V, 60 Hz; 440 - 460 V, 60 Hz; 550 - 600 V 60 Hz  Secondary: 6 V or 24 V

## Environmental:

Type 1, 2, 3, 4, 4x, 12 and 13, with or without legend holders, legend plates, metal or plastic guards, padlockable flaps, the add-on square trim and boots.

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At the manufacturer's request, Cat. No. ZBExxx contact blocks have been evaluated for use with two No. 14 AWG solid or stranded wires.

Spring clamps: 24 AWG to 14 AWG solid or stranded wires.



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