

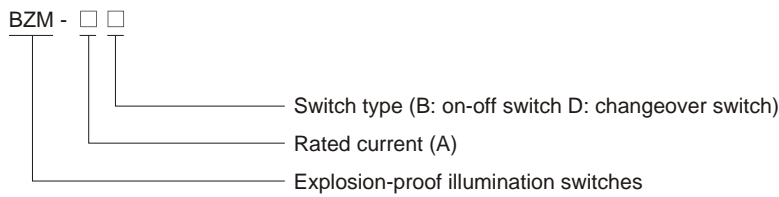


Installation Switches

BZM Series Explosion-proof Illumination Switches

- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
- ◆ Copper-free aluminium enclosure; powder coated external surface.
- ◆ Two options:
 - On-off switch
 - Changeover switch

Catalogue number logic



Selection table

Type/Ordering code	Chart of contact	Corresponding switch	Weight (kg)																														
BZM-16B	<table border="1"> <tr> <td></td> <td>0</td> <td>I</td> <td>0</td> <td>I</td> </tr> <tr> <td></td> <td>0°</td> <td>90°</td> <td>180°</td> <td>270°</td> </tr> <tr> <td>1</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>3</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>5</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>7</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> </table>		0	I	0	I		0°	90°	180°	270°	1		x		x	3		x		x	5		x		x	7		x		x		0.85
	0	I	0	I																													
	0°	90°	180°	270°																													
1		x		x																													
3		x		x																													
5		x		x																													
7		x		x																													
BZM-25B	<table border="1"> <tr> <td></td> <td>0</td> <td>I</td> <td>0</td> <td>I</td> </tr> <tr> <td></td> <td>0°</td> <td>90°</td> <td>180°</td> <td>270°</td> </tr> <tr> <td>1</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>3</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>5</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>7</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> </table>		0	I	0	I		0°	90°	180°	270°	1		x		x	3		x		x	5		x		x	7		x		x		0.95
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BZM-25D	<table border="1"> <tr> <td></td> <td>0</td> <td>I</td> </tr> <tr> <td></td> <td>0°</td> <td>90°</td> </tr> <tr> <td>1</td> <td></td> <td>x</td> </tr> <tr> <td>3</td> <td></td> <td>x</td> </tr> </table>		0	I		0°	90°	1		x	3		x		0.95																		
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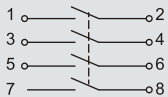

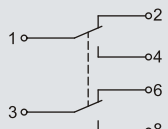

Zones 1&2

Technical data

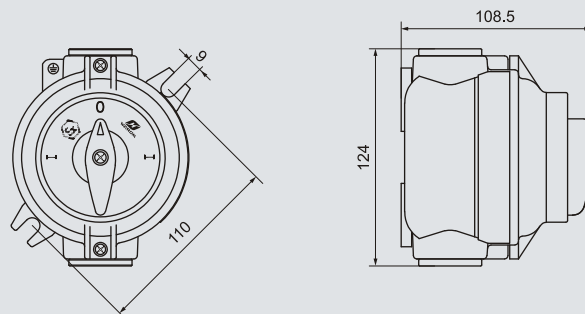
Explosion-proof illumination switches BZM-□□

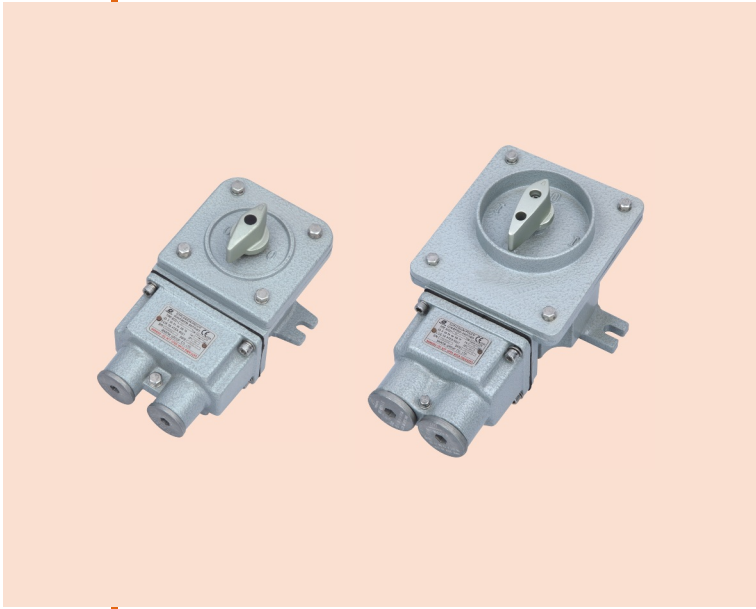
Explosion protection	⊕ II 2 G Ex d IIC T6
Certificates	LCIE 06 ATEX 6068; IECEx LCI 08. 0008; FM (USA)
Conformity to standards	EN 60079-0:2004, EN 60079-1:2004 IEC 60079-0:2004, IEC 60079-1:2003
Enclosure material	Copper-free aluminium; powder coated external surface
Enclosure colour	Window grey (RAL7040)
Switch function	On-off switch or changeover switch
Exposed fastener	Stainless steel
Rated voltage	Max. 250V AC
Rated current	16A, 25A
Degree of protection	IP65
Ambient temperature	-20°C ~ +55°C
Cable connection	3 x (2.5~4)mm ²
Cable entries	Standard 2 x M25 x 1.5 plug 2 x G3/4" plug or 2 x NPT3/4" plug on request
Cable gland(optional)	DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~25.

Spare parts

Built-in switch	Rated voltage/current	Ordering code	Weight (kg)
 	250V/16A	30001	0.10
	250V/25A	30002	0.20
 	250V/16A	30003	0.10
	250V/25A	30004	0.20

Dimension drawings (all dimensions in mm) - subject to alteration



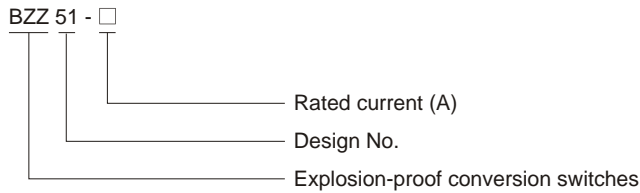


Installation Switches

BZZ51 Series Explosion-proof Conversion Switches

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
 - Zone 1 and Zone 2
- ◆ Available current rating 10A or 25A.
- ◆ Copper-free aluminium enclosure; powder coated external surface.
- ◆ One gear per 90° , loop operation.

■ Catalogue number logic



Selection table

Type/Ordering code	Chart of contact	Corresponding switch	Weight (kg)																									
BZZ51-10	<table border="1"> <tr> <td></td> <td>o</td> <td>I</td> <td>o</td> <td>I</td> </tr> <tr> <td></td> <td>0°</td> <td>90°</td> <td>180°</td> <td>270°</td> </tr> <tr> <td>1o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>3o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>5o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> </table>		o	I	o	I		0°	90°	180°	270°	1o		x		x	3o		x		x	5o		x		x		1.50
	o	I	o	I																								
	0°	90°	180°	270°																								
1o		x		x																								
3o		x		x																								
5o		x		x																								
BZZ51-25	<table border="1"> <tr> <td></td> <td>o</td> <td>I</td> <td>o</td> <td>I</td> </tr> <tr> <td></td> <td>0°</td> <td>90°</td> <td>180°</td> <td>270°</td> </tr> <tr> <td>1o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>3o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>5o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> </table>		o	I	o	I		0°	90°	180°	270°	1o		x		x	3o		x		x	5o		x		x		2.70
	o	I	o	I																								
	0°	90°	180°	270°																								
1o		x		x																								
3o		x		x																								
5o		x		x																								

Spare parts

Built-in switch	Rated voltage/current	Ordering code	Weight (kg)
	415V/10A	30005	0.15
	415V/25A	30006	0.40

Zones 1&2

Technical data

Explosion-proof conversion switches **BZZ51-10, BZZ51-25**

Explosion protection	⊕ II 2 G Ex de IIB T6		
Certificates	LCIE 06 ATEX 6021; IECEx LCI 08. 0006		
Conformity to standards	EN 60079-0:2004, EN 60079-1:2004, EN 60079-7:2003 IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2001		
Enclosure material	Copper-free aluminium; powder coated external surface		
Enclosure colour	Window grey (RAL7040)		
Switch	Low-power on-off switch		
Pole number	3 Poles		
Exposed fastener	Stainless steel		
Rated voltage	Max. 415V AC		
Rated current	10A, 25A		
Switch capacity		BZZ51-10	BZZ51-25
		AC 3, AC 23	AC 3, AC 23
	Ue	P	P
	230~	3.0kW	5.0kW
	380~	5.0kW	8.0kW
	415~	5.0kW	8.0kW
Degree of protection	IP54 (IP65 with canopy)		
Ambient temperature	-20°C ~ +55°C		
Cable connection	4 x (1.5~2.5)mm ² (10A), 4 x (4~6)mm ² (25A)		
Cable entries	BZZ51-10: Standard 2 x G3/4" plug; M25 x 1.5 or NPT3/4" (with reducer) on request BZZ51-25: Standard 2 x M32 x 1.5 plug; G1" or NPT1" on request		
Cable gland(optional)	DQM-I (Ex e) is recommended. Please see P7/17~19.		



Dimension drawings (all dimensions in mm) - subject to alteration

