



Our wide range of flameproof push buttons and emergency stops combines simplicity of implementation, flexibility and a very high robustness. Designed to be a high end and very competitive product.

They equip flameproof enclosures intended for explosive atmospheres gas/vapours or dust and to be used at very low to high temperatures.

The range covers the maximum possible uses and each button can be equipped with up to 6 contacts NO or NC.

### TECHNICAL DATA

<b>Material</b>	Metal nickel-plated and plastic
<b>IP rating</b>	IP66 according to EN/IEC 60529
<b>Temperature range</b>	-60°C ... +60°C
<b>Certificate</b>	INERIS 15ATEX9002U, IECEx INE 15.0059U
<b>Marking</b>	II 2 GD Ex db IIC Gb Ex tb IIIC Db
<b>Number of contact blocks per actuator</b>	Maximum 6 contact blocks
<b>Mounting on panel</b>	Thread on mounting panel Ø M30 x 1.5, tolerance 6H
<b>Type of terminals on contact block</b>	Screw connection - Spring connection available on request
<b>Features of the contact block</b>	Ith = 10 A - Ui = 600 V AC Ue = 230 V - Ie = 2 A or Ue = 120 V - Ie = 3 A or Ue = 24 V - Ie = 4 A DC Ue = 110 V - Ie = 0,2 A or Ue = 24 V - Ie = 0,5 A
<b>Mechanical endurance</b>	Actuator : 1 million operations - Contact block: 1 million operations
<b>Options</b>	Bezel of the actuator in stainless steel AISI 316L Contact blocks with spring connection

## Push buttons

### Actuator type

Spring return, flush actuator



Colour	Contact	Product code
○ White	NC+NO	XBW8MAA15
● Black	NO	XBW8MAA21
● Black	NC+NO	XBW8MAA25
● Green	NO	XBW8MAA31
● Green	NC+NO	XBW8MAA35
● Red	NC	XBW8MAA42
● Red	NC+NO	XBW8MAA45
● Yellow	NC+NO	XBW8MAA55
● Blue	NC+NO	XBW8MAA65

Spring return, projecting actuator



Colour	Contact	Product code
○ White	NC+NO	XBW8MAL15
● Black	NO	XBW8MAL21
● Black	NC+NO	XBW8MAL25
● Green	NO	XBW8MAL31
● Green	NC+NO	XBW8MAL35
● Red	NC	XBW8MAL42
● Red	NC+NO	XBW8MAL45
● Yellow	NC+NO	XBW8MAL55
● Blue	NC+NO	XBW8MAL65

## Push buttons with silicone boot

### Actuator type

Spring return



Colour	Contact	Product code
○ White	NC+NO	XBW8MAP15
● Black	NO	XBW8MAP21
● Black	NC+NO	XBW8MAP25
● Green	NO	XBW8MAP31
● Green	NC+NO	XBW8MAP35
● Red	NC	XBW8MAP42
● Red	NC+NO	XBW8MAP45
● Yellow	NC+NO	XBW8MAP55
● Blue	NC+NO	XBW8MAP65

## Mushroom push buttons

### Actuator type

Spring return



Colour	Contact	Product code
● Black	NO	XBW8MAC21
● Black	NC+NO	XBW8MAC25
● Green	NO	XBW8MAC31
● Green	NC+NO	XBW8MAC35
● Red	NC	XBW8MAC42
● Red	NC+NO	XBW8MAC45
● Yellow	NC+NO	XBW8MAC55
● Blue	NC+NO	XBW8MAC65

Mushroom Ø 40 mm - Push-Pull

● Black	NO	XBW8MAT21
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Mushroom Ø 40 mm - Release by key 455

● Black	NO	XBW8MAS121
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Mushroom Ø 40 mm - Turn to Release

● Black	NO	XBW8MAS521
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Push button with 6 contact blocks



### Emergency stop - Snap action - Ø 40 mm

Actuator type	Colour	Contact	Produit code
Push-Pull	● Red	NC	XBW8MAT842
	● Red	NC + NO	XBW8MAT845



Turn to Release	● Red	NC	XBW8MAS8442
	● Red	NC + NO	XBW8MAS8445





Key Release with key 455	● Red	NC	XBW8MAS9442
	● Red	NC + NO	XBWAMBS9445



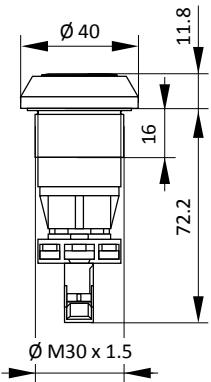
Emergency stop in Ø 30 mm	● Red	NC	On request. Available in type of reset: Push-Pull or Turn to Release or Key Release
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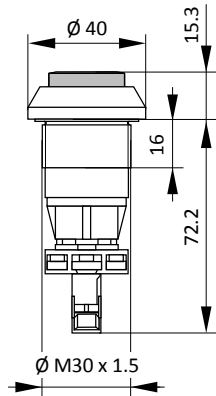
### Additional contact blocks

Type	Product code	Description
	ZBE101	Contact block NO - Screw connection - Spring connection on request
	ZBE102	Contact block NC - Screw connection - Spring connection on request

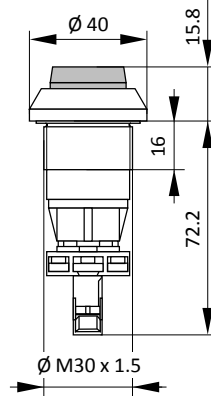




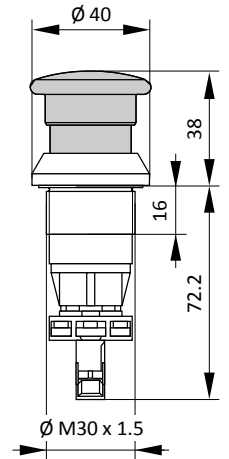
**XBW8MAA...**



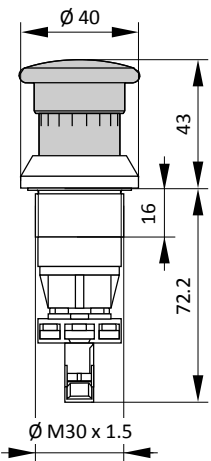
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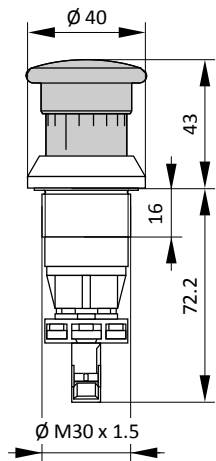
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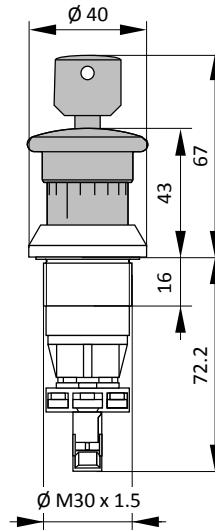
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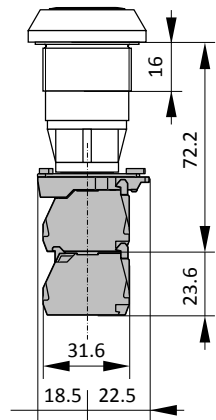
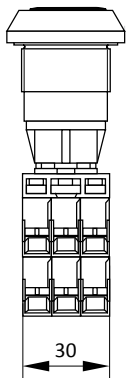
**XBW8MAT...**



**XBW8MAS8...**



**XBW8MAS9...**



**With 6 contact blocks - For all product codes**

## Selector switches

## Flameproof - Group IIC XBW8M series



Wide range of selector switches with standard or long handle or wheel handle or key combines simplicity of implementation, flexibility and very high robustness. Designed to be a high end and very competitive product.







They equip flameproof enclosures intended for explosive atmospheres gas/vapours or dust and to be used at very low to high temperatures.

The range covers the maximum possible uses and each button can be equipped with up to 6 contacts NO or NC.

### TECHNICAL DATA

<b>Material</b>	Metal nickel-plated and plastic
<b>IP rating</b>	IP66 according to EN/IEC 60529
<b>Temperature range</b>	-60°C ... +60°C
<b>Certificate</b>	INERIS 15ATEX9002U, IECEx INE 15.0059U
<b>Marking</b>	II 2 GD Ex db IIC Gb Ex tb IIIC Db
<b>Number of contact blocks per actuator</b>	Maximum 6 contact blocks
<b>Mounting on panel</b>	Thread on mounting panel Ø M30 x 1.5, tolerance 6H
<b>Type of terminals on contact block</b>	Screw connection - Spring connection available on request
<b>Features of the contact block</b>	Ith = 10 A - Ui = 600 V AC Ue = 230 V - Ie = 2 A or Ue = 120 V - Ie = 3 A or Ue = 24 V - Ie = 4 A DC Ue = 110 V - Ie = 0,2 A or Ue = 24 V - Ie = 0,5 A
<b>Mechanical endurance</b>	Actuator : 1 million operations - Contact block: 1 million operations
<b>Options</b>	Bezel of the actuator in stainless steel AISI 316L Contact blocks with spring connection

## Selector switches



Actuator type	Number of positions	Contact	Product code
<b>Standard handle</b> 	2 stay put	NO	XBW8MAD21
	2 spring return right and left	NO	XBW8MAD41
	3 stay put	• NO + NO	XBW8MAD33
	3 spring return to center	• NO + NO	XBW8MAD53
	3 spring return from left to center	• NO + NO	XBW8MAD73
	3 spring return from right to center	• NO + NO	XBW8MAD83
<b>Long handle</b> 	2 stay put	NO	XBW8MAJ21
	2 spring return right and left	NO	XBW8MAJ41
	3 stay put	• NO + NO	XBW8MAJ33
	3 spring return to center	• NO + NO	XBW8MAJ53
	3 spring return from left to center	• NO + NO	XBW8MAJ73
	3 spring return from right to center	• NO + NO	XBW8MAJ83
<b>Wheel handle</b> 	2 stay put	NO	XBW8MAD291
	2 spring return right and left	NO	XBW8MAD491
	3 stay put	• NO + NO	XBW8MAD393
	3 spring return to center	• NO + NO	XBW8MAD593
	3 spring return from left to center	• NO + NO	XBW8MAD793
	3 spring return from right to center	• NO + NO	XBW8MAD893
<b>With key 455</b> 	2 stay put key withdrawal in left position	NO	XBW8MAG21
	2 stay put key withdrawal in both position	NO	XBW8MAG41
	2 spring return from right to left	NO	XBW8MAG61
	3 stay put, key withdrawal in 3 positions	• NO + NO	XBW8MAG03
	3 stay put, key withdrawal in center position	• NO + NO	XBW8MAG33
	3 stay put, key withdrawal in left or right position	• NO + NO	XBW8MAG53
	3 stay put, key withdrawal in left position	• NO + NO	XBW8MAG93
	3 stay put, key withdrawal in right position	• NO + NO	XBW8MAG093
	3 spring return from left to center	• NO + NO	XBW8MAG13
	3 spring return to center	• NO + NO	XBW8MAG73
	3 spring return from right to center, key withdrawal in center position	• NO + NO	XBW8MAG83
	3 spring return from right to center, key withdrawal in left position	• NO + NO	XBW8MAG083
	<b>Toggle</b> 	On request	
<b>Joystick</b> 	On request		

- This selector switch can have an extra NC contact element on the central position. This contact is actuated on left and right position.

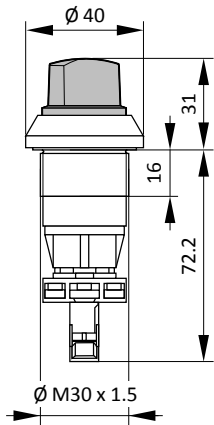


Selector switch with 6 contact blocks

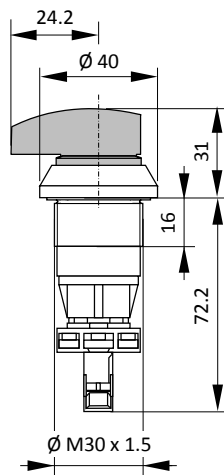
### Additional contact blocks

Type	Product code	Description
	ZBE101	Contact block NO - Screw connection - Spring connection on request
	ZBE102	Contact block NC - Screw connection - Spring connection on request

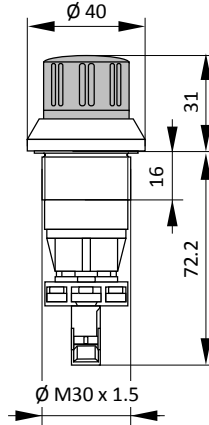




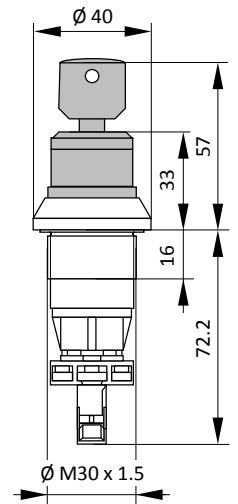
**XBW8MAD21...**



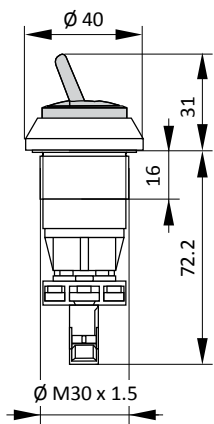
**XBW8MAJ21...**



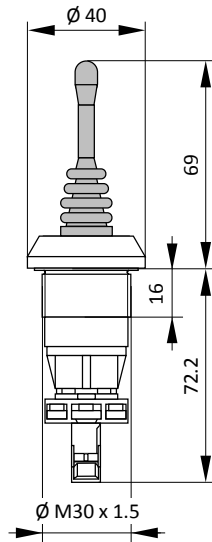
**XBW8MAD.9.**



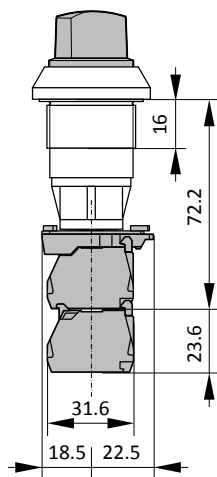
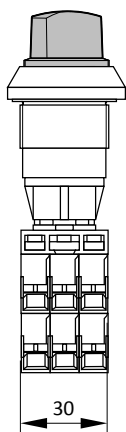
**XBW8MAG...**



**Toggle selector**



**Joystick**



**With 6 contact blocks - For all product codes**



## Pilot lights

## Flameproof - Group IIC XBW8MV series



The extensive range of LED pilot lights combines simplicity of implementation, flexibility and very high robustness. Designed to be a high end and very competitive product.

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### TECHNICAL DATA

<b>Material</b>	Metal nickel-plated and plastic		
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<b>Temperature range</b>	-60°C ... +60°C		
<b>Certificate</b>	INERIS 15ATEX9002U, IECEx INE 15.0059U		
<b>Marking</b>	II 2 GD Ex db IIC Gb Ex tb IIIC Db		
<b>Mounting on panel</b>	Thread on mounting panel Ø M30 x 1.5, tolerance 6H		
<b>Connction type</b>	Screw connection		
<b>Features of LED lamp</b>	Voltage limit	12 V:	10 to 15 for DC - 10.2 to 13.8 for AC 24 V: 19.2 to 30 for DC - 21.6 to 26.4 for AC 24 V to 120 V: 19.2 to 132 for DC - 21.6 to 132 for AC 230 V / 240 V: 195 to 264 for AC
	Current consumption	18 mA for 12 V 18 mA for 24 V 14 mA for 120 V 14 mA for 240 V	
<b>Service life</b>	100 000 hours at rated voltage and at an ambient temperature of 25°C		
<b>Option</b>	Bezel of the actuator in stainless steel AISI 316L		

## Pilot lights with LED lamp INCLUDED



Colour	12 V	24 V	48 V	110 V	230 V
○ White	XBW8MV1J	XBW8MV1B	XBW8MV1E	XBW8MV1BG	XBW8MV1M
● Green	XBW8MV3J	XBW8MV3B	XBW8MV3E	XBW8MV3BG	XBW8MV3M
● Red	XBW8MV4J	XBW8MV4B	XBW8MV4E	XBW8MV4BG	XBW8MV4M
● Yellow	XBW8MV5J	XBW8MV5B	XBW8MV5E	XBW8MV5BG	XBW8MV5M
● Blue	XBW8MV6J	XBW8MV6B	XBW8MV6E	XBW8MV6BG	XBW8MV6M



As spare parts: socket for the lamp and LED lamps on request

