

Selector switches

Increased safety - Group IIC XBW series



Our wide HarmAtex range of selector switches with standard or long handle or wheel handle or key combines simplicity of implementation, flexibility and robustness. A system of snap-lock head-body and clamping to the control board by a single screw, ensures an easy and secure mounting..




They equip enclosures or control panels intended for explosive atmospheres gas/vapours or dust in increased safety protection (Ex e) or pressurized (Ex p) or protection by enclosure (Ex t) modes.

Designed to cover the maximum possible uses, each button can be equipped with up to 6 contacts NO or NC.

TECHNICAL DATA




Material	Metal and plastic
IP rating	IP65 or IP66 according to EN/IEC 60529
Temperature range	-20°C ... +75°C
Certificate	INERIS 02ATEX9007U
Marking	II 2 GD Ex d e IIC Gb Ex tb IIIC Db
Number of contact blocks per actuator	Maximum 6 contact blocks
Mounting	Panel cut-out Ø 22,5 mm
Type of terminals	Screw terminals
Features of the contact block	$I_{th} = 10 \text{ A}$; $U_i = 415 \text{ V}$ AC $U_e = 380 \text{ V}$; $I_e = 1,9 \text{ A}$ or $U_e = 240 \text{ V}$; $I_e = 3 \text{ A}$ or $U_e = 120 \text{ V}$; $I_e = 6 \text{ A}$ DC $U_e = 250 \text{ V}$; $I_e = 0,27 \text{ A}$ or $U_e = 125 \text{ V}$; $I_e = 0,55 \text{ A}$ or $U_e = 24 \text{ V}$; $I_e = 2,87 \text{ A}$
Mechanical endurance	Head: 5 million operations - Contact block: 1 million operations

Selector switches - Metallic bezel - IP66 - T°: -20°C ... 75°C

Type of actuator	Number of positions	Contact	Lid mounting
	2 stay put	NO	XBW4BD21
	2 spring return right and left	NO	XBW4BD41
	3 stay put	• NO + NO	XBW4BD33
	3 spring return to center	• NO + NO	XBW4BD53
	3 spring return from left to center	• NO + NO	XBW4BD73
	3 spring return from right to center	• NO + NO	XBW4BD83
	2 stay put	NO	XBW4BJ21
	2 spring return right and left	NO	XBW4BJ41
	3 stay put	• NO + NO	XBW4BJ33
	3 spring return to center	• NO + NO	XBW4BJ53
	3 spring return from left to center	• NO + NO	XBW4BJ73
	3 spring return from right to center	• NO + NO	XBW4BJ83
	2 stay put	NO	XBW4BD291
	2 spring return right and left	NO	XBW4BD491
	3 stay put	• NO + NO	XBW4BD393
	3 spring return to center	• NO + NO	XBW4BD593
	3 spring return from left to center	• NO + NO	XBW4BD793
	3 spring return from right to center	• NO + NO	XBW4BD893

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

Selector switches - Plastic bezel - IP66 - T°: -20°C ... 75°C

Type of actuator	Number of positions	Contact	Lid mounting	Base mounting
	2 stay put	NO	XBW5AD21	XBW5AD21P
	2 spring return right and left	NO	XBW5AD41	XBW5AD41P
	3 stay put	• NO + NO	XBW5AD33	XBW5AD33P
	3 spring return to center	• NO + NO	XBW5AD53	XBW5AD53P
	3 spring return from left to center	• NO + NO	XBW5AD73	XBW5AD73P
	3 spring return from right to center	• NO + NO	XBW5AD83	XBW5AD83P
	2 stay put	NO	XBW5AJ21	XBW5AJ21P
	2 spring return right and left	NO	XBW5AJ41	XBW5AJ41P
	3 stay put	• NO + NO	XBW5AJ33	XBW5AJ33P
	3 spring return to center	• NO + NO	XBW5AJ53	XBW5AJ53P
	3 spring return from left to center	• NO + NO	XBW5AJ73	XBW5AJ73P
	3 spring return from right to center	• NO + NO	XBW5AJ83	XBW5AJ83P
	2 stay put	NO	XBW5AD291	XBW5AD291P
	2 spring return right and left	NO	XBW5AD491	XBW5AD491P
	3 stay put	• NO + NO	XBW5AD393	XBW5AD393P
	3 spring return to center	• NO + NO	XBW5AD593	XBW5AD593P
	3 spring return from left to center	• NO + NO	XBW5AD793	XBW5AD793P
	3 spring return from right to center	• NO + NO	XBW5AD893	XBW5AD893P
Joystick IP 65	On request			




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Selector switches - Metallic bezel - IP66 - T°: -20°C ... 75°C

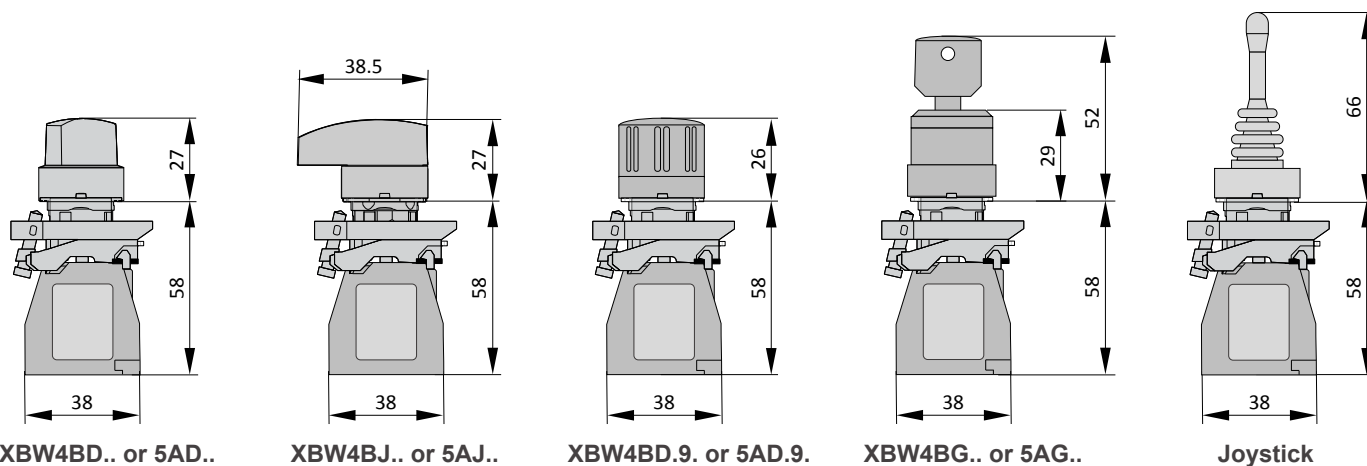
Type of actuator	Number of positions	Contact	Lid mounting
 Selector switches with key 455	2 stay put key withdrawal in left position	NO	XBW4BG21
	2 stay put key withdrawal in both position	NO	XBW4BG41
	2 spring return from right to left	• NO	XBW4BG61
	3 stay put, key withdrawal in 3 positions	• NO + NO	XBW4BG03
	3 stay put, key withdrawal in center position	• NO + NO	XBW4BG33
	3 stay put, key withdrawal in left or right position	• NO + NO	XBW4BG53
	3 stay put, key withdrawal in left position	NO + NO	XBW4BG93
	3 stay put, key withdrawal in right position	NO + NO	XBW4BG093
	3 spring return from left to center	• NO + NO	XBW4BG13
	3 spring return to center	• NO + NO	XBW4BG73
	3 spring return from right to center, key withdrawal in center position	• NO + NO	XBW4BG83
	3 spring return from right to center, key withdrawal in left position	• NO + NO	XBW4BG083

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Selector switches - Plastic bezel - IP65 - T°: -20°C ... 75°C

Type of actuator	Number of positions	Contact	Lid mounting	Base mounting
 Selector switches with key 455	2 stay put key withdrawal in left position	NO	XBW5AG21 (1)	XBW5AG21P (1)
	2 stay put key withdrawal in both position	NO	XBW5AG41 (1)	XBW5AG41P (1)
	2 spring return from right to left	NO	XBW5AG61 (1)	XBW5AG61P (1)
	3 stay put, key withdrawal in 3 positions	• NO + NO	XBW5AG03 (1)	XBW5AG03P (1)
	3 stay put, key withdrawal in center position	• NO + NO	XBW5AG33 (1)	XBW5AG33P (1)
	3 stay put, key withdrawal in left or right position	• NO + NO	XBW5AG53 (1)	XBW5AG53P (1)
	3 stay put, key withdrawal in left position	• NO + NO	XBW5AG93 (1)	XBW5AG93P (1)
	3 stay put, key withdrawal in right position	• NO + NO	XBW5AG093 (1)	XBW5AG093P (1)
	3 spring return from left to center	• NO + NO	XBW5AG13 (1)	XBW5AG13P (1)
	3 spring return to center	• NO + NO	XBW5AG73 (1)	XBW5AG73P (1)
	3 spring return from right to center, key withdrawal in center position	• NO + NO	XBW5AG83 (1)	XBW5AG83P (1)
	3 spring return from right to center, key withdrawal in left position	• NO + NO	XBW5AG083 (1)	XBW5AG083P (1)

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



Additional contact blocks

Features of the contact block

Temperature range	-50°C ... +75°C	Electrical features	$I_{th} = 10 \text{ A}$; $U_i = 415 \text{ V}$
Certificate	INERIS 02ATEX9007U		AC $U_e = 380 \text{ V}$; $I_e = 1,9 \text{ A}$ or
	IECEX INE 13.0063U		$U_e = 240 \text{ V}$; $I_e = 3 \text{ A}$ or
Marking	II 2 G		$U_e = 120 \text{ V}$; $I_e = 6 \text{ A}$
	Ex d e IIC Gb		DC $U_e = 250 \text{ V}$; $I_e = 0,27 \text{ A}$ or
			$U_e = 125 \text{ V}$; $I_e = 0,55 \text{ A}$ or
			$U_e = 24 \text{ V}$; $I_e = 2,87 \text{ A}$

Product code	Description	Product code	Description
ZBWE101	NO contact block for lid mounting	ZBWZ101	NO contact with metal fixing device for lid mounting
ZBWE102	NC contact block for lid mounting	ZBWZ102	NC contact with metal fixing device for lid mounting
ZBWE1111	NO contact block for base mounting	ZBWZ1010	NO contact with plastic fixing device for lid mounting
ZBWE1121	NC contact block for base mounting	ZBWZ1020	NC contact with plastic fixing device for mounting on lid



ZBWE101 or 102



ZBWE1111 or 1121



ZBWZ101 or 102



ZBWZ1010 or 1020



Selector switch with 6 contact blocks