



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 | Ith = 10 A; Ui = 415 V AC Ue = 380 V; Ie = 1,9 A or Ue = 240 V; Ie = 3 A or Ue = 120 V; Ie = 6 A DC Ue = 250 V; Ie = 0,27 A or Ue = 125 V; Ie = 0,55 A or Ue = 24 V; Ie = 2,87 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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- 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 - Metallic bezel - IP66 - T°: -20°C ... 75°C

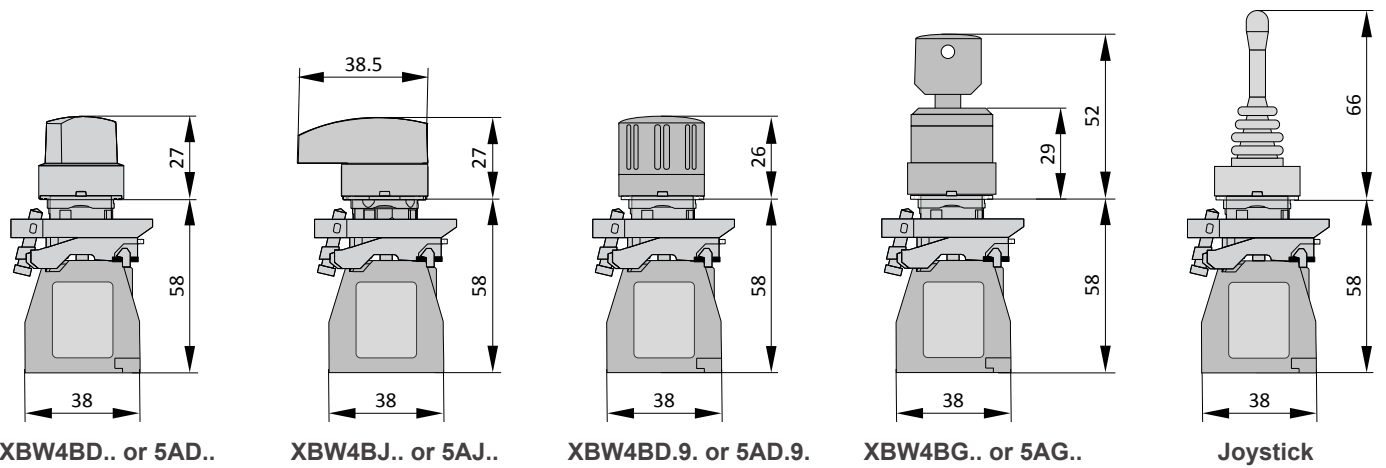
| Type of actuator | Number of positions | Contact | Lid mounting |
|---|---|-----------|--------------|
|  Selector switches with key 455 | 2 stay put key withdrawal in left position | NO | XBW4BG21 |
| | 2 stay put key withdrawal in both position | NO | XBW4BG41 |
| | 2 spring return from right to 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 |

- 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 - 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 A; U _i = 415 V |
| Certificate | INERIS 02ATEX9007U | | AC U _e = 380 V; I _e = 1,9 A or U _e = 240 V; I _e = 3 A or U _e = 120 V; I _e = 6 A |
| | IECEX INE 13.0063U | | DC U _e = 250 V; I _e = 0,27 A or U _e = 125 V; I _e = 0,55 A or U _e = 24 V; I _e = 2,87 A |
| Marking | II 2 G | | |
| | Ex d e IIC Gb | | |

| 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