



Our wide HarmAtex range of push buttons and emergency stops 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 IP 66 according to EN/IEC 60529
Temperature range	-20°C ... +65°C or -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

Push buttons - Metallic bezel - IP66 - T°: -20°C ... 75°C


Type of actuator	Colour	Contact	Lid mounting
------------------	--------	---------	--------------


	○ White	NC+NO	XBW4BA15
	● Black	NO	XBW4BA21
	● Black	NC+NO	XBW4BA25
	● Green	NO	XBW4BA31
	● Green	NC+NO	XBW4BA35
	● Red	NC	XBW4BA42
	● Red	NC+NO	XBW4BA45
	● Yellow	NC+NO	XBW4BA55
	● Blue	NC+NO	XBW4BA65

	○ White	NC+NO	XBW4BL15
	● Black	NO	XBW4BL21
	● Black	NC+NO	XBW4BL25
	● Green	NO	XBW4BL31
	● Green	NC+NO	XBW4BL35
	● Red	NC	XBW4BL42
	● Red	NC+NO	XBW4BL45
	● Yellow	NC+NO	XBW4BL55
	● Blue	NC+NO	XBW4BL65


Push buttons - Metallic bezel - IP66 - T°: -20°C ... 75°C

Type of actuator	Colour	Contact	Lid mounting
------------------	--------	---------	--------------


	○ White	NC+NO	XBW4BH015
	● Black	NO	XBW4BH021
	● Black	NC+NO	XBW4BH025
	● Green	NO	XBW4BH031
	● Green	NC+NO	XBW4BH035
	● Red	NC	XBW4BH042
	● Red	NC+NO	XBW4BH045
	● Yellow	NC+NO	XBW4BH055
	● Blue	NC+NO	XBW4BH065

	○ White	NC+NO	XBW4BH15
	● Black	NO	XBW4BH21
	● Black	NC+NO	XBW4BH25
	● Green	NO	XBW4BH31
	● Green	NC+NO	XBW4BH35
	● Red	NC	XBW4BH42
	● Yellow	NC+NO	XBW4BH55
	● Blue	NC+NO	XBW4BH65


Push buttons with silicone boot - Metallic bezel - - IP66 - T°: -20°C ... 75°C

Actuator	Colour	Contact	Lid mounting
 <p>Spring return</p>	○ White	NC+NO	XBW4BP15S
	● Black	NO	XBW4BP21S
	● Black	NC+NO	XBW4BP25S
	● Green	NO	XBW4BP31S
	● Green	NC+NO	XBW4BP35S
	● Red	NC	XBW4BP42S
	● Red	NC+NO	XBW4BP45S
	● Yellow	NC+NO	XBW4BP55S
	● Blue	NC+NO	XBW4BP65S


Mushroom push buttons - Metallic bezel - IP65 - T°: -20°C ... 75°C

Actuator	Colour	Contact	Lid mounting
 <p>Mushroom Ø 40 mm - Spring return</p>	○ White	NC+NO	XBW4BC15
	● Black	NO	XBW4BC21
	● Black	NC+NO	XBW4BC25
	● Green	NO	XBW4BC31
	● Green	NC+NO	XBW4BC35
	● Red	NC	XBW4BC42
	● Red	NC+NO	XBW4BC45
	● Yellow	NC+NO	XBW4BC55
	● Blue	NC+NO	XBW4BC65
Mushroom Ø 40 mm - Push-Pull	● Black	NO	XBW4BT21
Mushroom Ø 40 mm - Push-Pull	● Green	NO	On request
Mushroom Ø 40 mm - With key 455	● Black	NO	XBW4BS121
Mushroom Ø 40 mm - With key 455	● Green	NO	On request
Mushroom Ø 40 mm- Turn to release	● Black	NO	XBW4BS521
Mushroom Ø 40 mm- Turn to release	● Green	NO	On request

Push buttons with silicone boot - Plastic bezel - IP65 - T°: -20°C ... 75°C

Actuator	Colour	Contact	Lid mounting	Base mounting
 <p>Spring return</p>	○ White	NC+NO	XBW5AP15S	XBW5AP15SP
	● Black	NO	XBW5AP21S	XBW5AP21SP
	● Black	NC+NO	XBW5AP25S	XBW5AP25SP
	● Green	NO	XBW5AP31S	XBW5AP31SP
	● Green	NC+NO	XBW5AP35S	XBW5AP35SP
	● Red	NC	XBW5AP42S	XBW5AP42SP
	● Red	NC+NO	XBW5AP45S	XBW5AP45SP
	● Yellow	NC+NO	XBW5AP55S	XBW5AP55SP
	● Blue	NC+NO	XBW5AP65S	XBW5AP65SP

Mushroom push buttons - Plastic bezel - IP65 - T°: -20°C ... 75°C

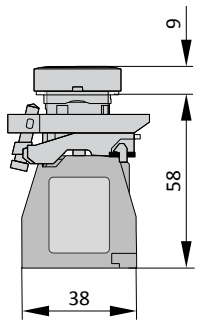
Actuator	Colour	Contact	Lid mounting	Base mounting
 <p>Mushroom Ø 40 mm - Spring return</p>	○ White	NC+NO	XBW5AC15	XBW5AC15P
	● Black	NO	XBW5AC21	XBW5AC21P
	● Black	NC+NO	XBW5AC25	XBW5AC25P
	● Green	NO	XBW5AC31	XBW5AC31P
	● Green	NC+NO	XBW5AC35	XBW5AC35P
	● Red	NC	XBW5AC42	XBW5AC42P
	● Red	NC+NO	XBW5AC45	XBW5AC45P
	● Yellow	NC+NO	XBW5AC55	XBW5AC55P
	● Blue	NC+NO	XBW5AC65	XBW5AC65P
Mushroom Ø 40 mm - With key 455	● Black	NO	On request	On request
Mushroom Ø 40 mm - With key 455	● Green	NO	On request	On request
Mushroom Ø 40 mm- Turn to release	● Black	NO	On request	On request
Mushroom Ø 40 mm- Turn to release	● Green	NO	On request	On request

Emergency stop mushroom - Snap action - Ø 40 mm - Metallic bezel - IP65 - T°: -20°C ... 65°C

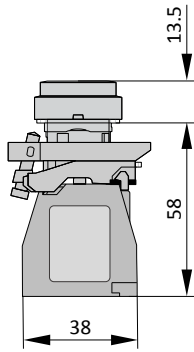
Type of actuator	Colour	Contact	Lid mounting
Push-pull	● Red	NC	XBW4BT842
	● Red	NC + NO	XBW4BT845
With key 455	● Red	NC	XBW4BS9442
	● Red	NC + NO	XBW4BS9445
Turn to release	● Red	NC	XBW4BS8442
	● Red	NC + NO	XBW4BS8445

Emergency stop mushroom - Snap action - Ø 40 mm - Plastic bezel - IP65 - T°: -20°C ... 65°C

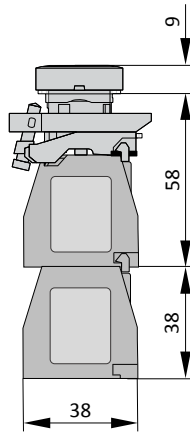
Type of actuator	Colour	Contact	Lid mounting	Base mounting
With key 455	● Red	NC	XBW5AS9442	XBW5AS9442P
	● Red	NC + NO	XBW5AS9445	XBW5AS9445P
Turn to release	● Red	NC	XBW5AS8442	XBW5AS8442P
	● Red	NC + NO	XBW5AS8445	XBW5AS8445P



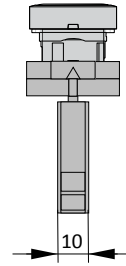
XBW4BA.. or BH..



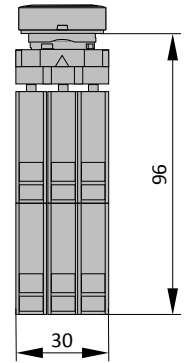
XBW4BA.. or BH0..



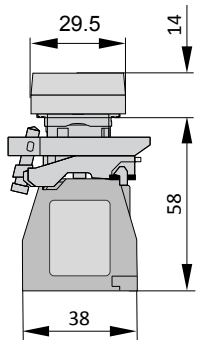
Push button with 2 rows of contacts



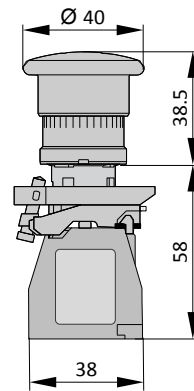
Push button with 1 contact



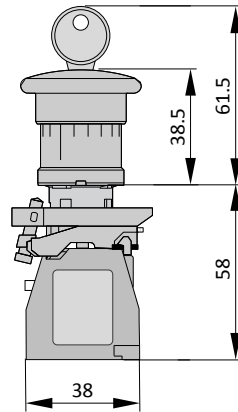
Push button with 2 rows of 3 contacts



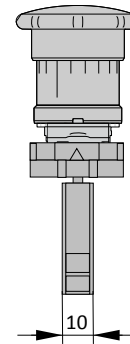
XBW4BP.. or AP..



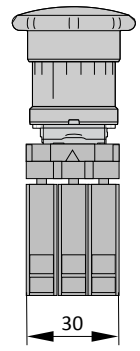
XBW4BC.. or AC... or BT... or BS



XBW4BS1..



Push button with 1 contact



Push button with 1 row of 3 contacts

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
Marking	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
	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



Push button with 6 contact blocks

Accessories

Function	Product code	For use with	Colour	Function	Product code	For use with
Metal guard padlockable	ZBZ1604	XBW4BT84 XBW4BS84 XBW4BS94	● Red	Long handle padlockable	On request	2 to 3 positions selector switches. For more information ask to our front line office
Padlockable flap	ZB4BZ62 ZB4B64	All push buttons XBW4BA	● Black ● Red	Blind plug for push button	XAWZ3	Instead of push buttons