

The illuminated push buttons HarmAtex is very versatile. It combines:


- pilot lights in 6 to 24 V AC/DC or 24 V to 254 V AC/DC
- up to 4 contact blocks can be implemented by push button
- optional silicone boots can be provided

They cover the majority of industrial applications in potentially explosive atmospheres gas/vapours or dust in increased safety protection (Ex e) or pressure (Ex p) or protection by enclosure (Ex t) modes by having the highest level of protection.


### TECHNICAL DATA

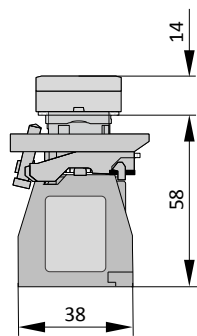
<b>Material</b>	Metal and plastic
<b>IP rating</b>	IP65 according to EN/IEC 60529
<b>Temperature range</b>	-20°C ... +75°C
<b>Certificate</b>	INERIS 04ATEX9003U, INERIS 02ATEX9007U
<b>Marking</b>	II 2 GD Ex e mb IIC Gb Ex d e mb IIC Gb Ex tb IIIC Db
<b>Number of contact blocks per actuator</b>	Maximum 4 contact blocks
<b>Mounting</b>	Panel cut-out Ø 22,5 mm
<b>Type of terminals</b>	Screw terminals
<b>LED pilot light</b>	Rated voltage 24 V ... 254 V AC/DC Maximal current 2 mA ... 10 mA Or Rated voltage 6 V ... 24 V AC/DC Maximal current 14 mA ... 21 mA
<b>Features of the contact block</b>	I <sub>th</sub> = 10 A; U <sub>i</sub> = 415 V AC U <sub>e</sub> = 380 V; I <sub>e</sub> = 1,9 A or U <sub>e</sub> = 240 V; I <sub>e</sub> = 3 A or U <sub>e</sub> = 120 V; I <sub>e</sub> = 6 A DC U <sub>e</sub> = 250 V; I <sub>e</sub> = 0,27 A or U <sub>e</sub> = 125 V; I <sub>e</sub> = 0,55 A or U <sub>e</sub> = 24 V; I <sub>e</sub> = 2,87 A
<b>Mechanical endurance</b>	Head: 5 million operations - Contact block: 1 million operations

**Illuminated push buttons 24 V ... 254 V AC/DC - Metallic bezel**

Type of actuator	Colour	Contact	Lid mounting
 Illuminated push button, spring return	○ White	NO	XLW4BP1831
	● Green	NO	XLW4BP3831
	● Red	NC	XLW4BP4832
	● Yellow	NO	XLW4BP5831
	● Blue	NO	XLW4BP6831

**Illuminated push buttons 6 V ... 24 V AC/DC - Metallic bezel**

Type of actuator	Colour	Contact	Lid mounting
 Illuminated push button, spring return	○ White	NO	XLW4BP1831B
	● Green	NO	XLW4BP3831B
	● Red	NC	XLW4BP4832B
	● Yellow	NO	XLW4BP5831B
	● Blue	NO	XLW4BP6831B



**Additional contact blocks**

**Features of the contact block**


<b>Temperature range</b>	-50°C ... +75°C	<b>Electrical features</b>	I <sub>th</sub> = 10 A; U <sub>i</sub> = 415 V
<b>Certificate</b>	INERIS 02ATEX9007U		AC U <sub>e</sub> = 380 V; I <sub>e</sub> = 1,9 A or
	IECEX INE 13.0063U		U <sub>e</sub> = 240 V; I <sub>e</sub> = 3 A or
<b>Marking</b>	II 2 G		U <sub>e</sub> = 120 V; I <sub>e</sub> = 6 A
	Ex d e IIC Gb		DC U <sub>e</sub> = 250 V; I <sub>e</sub> = 0,27 A or
			U <sub>e</sub> = 125 V; I <sub>e</sub> = 0,55 A or
			U <sub>e</sub> = 24 V; I <sub>e</sub> = 2,87 A

Type	Product code	Description
------	--------------	-------------



ZBWE101	NO
ZBWE102	NC

**LED Signalling elements**

Type	Colour	Codes for 24 to 254 V AC/DC	Codes for 6 to 24 V AC/DC
	○ White	ZBWV1	ZBWV1B
	● Green	ZBWV3	ZBWV3B
	● Red	ZBWV1	ZBWV1B
	● Yellow	ZBWV1	ZBWV1B
	● Blue	ZBWV1	ZBWV1B