

# JBB 7055

Intrinsically safe dual barriers (dual channel)  
for variable or bipolar signals in grounded circuits.

INTRINSICALLY  
SAFE  
SECURITY SYSTEMS



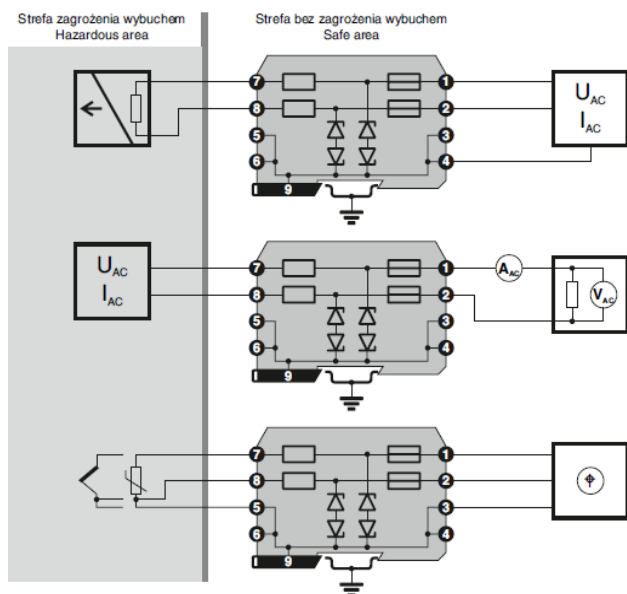
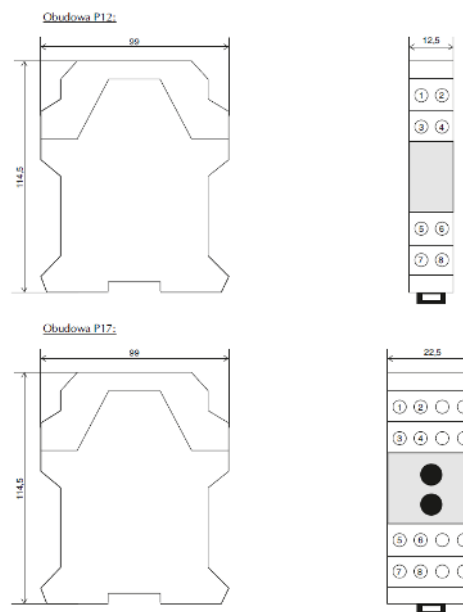
## DESCRIPTION:

**JBB 705x** Intrinsically safe barrier (Zener Barrier) for variable or bipolar signals, P12 housing.

**Simple AC, low level.**

**JBB 715x** Intrinsically safe barrier (Zener Barrier) for variable or bipolar signals from possibility of replacing the fuse, P17 housing.

**Simple AC, low level. Replaceable fuse.**



## CONNECT:

### JBB 705x, JBB 715x

- 1.....+ in/out 1
- 2.....+ in/out 2
- 7.....+ in/out 1 Ex
- 8.....+ in/out 2 Ex
- 3, 4, 5, 6, 9 ..... GND

• **Analog output to the explosion hazard zone:** apply to control or power supply variable electrical circuits in the danger explosion hazard zone e.g.: audio-video signals, frequency or phase control, bipolar one-way control servo motors, etc.

• **Analog input from the explosion hazard zone:** applicable to variable transmissions electrical signals from the explosion hazard zone e.g.: audio-video signals, data transmission, output from vibration sensors, from devices security measures, etc.

• **Three-wire output resistive to the explosion hazard zone:** applicable to three-wire measurement resistance from the explosion hazard zone e.g.: temperature sensors, sensors positions, potentiometers, etc.

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## TECHNICAL PARAMETERS:

Type	Group	$U_0$ [V]	$I_0$ [mA]	$R_0$ [Ω]	$L_0$ [mH]	$C_0$ [μF]
JBB (MM) 7058	6	14	46	304	See below – items 5, 6, 7 in accordance with the Group	
JBB (MM) 7158	6	14	46	304		
JBB (MM) 7057	7	7,9	74	106		
JBB (MM) 7157	7	7,9	74	106		
JBB (MM) 7055	5	3	298	10,1		
JBB (MM) 7155	5	3	298	10,1		

## COMMENTS:

$U_0$ ,  $I_0$ ,  $R_0$  - safety parameters;

All barriers are equipped with internal inaccessible fuse.

The 715x series additionally includes internal replaceable fuse with lower nominal value.

## WARNING:

**Please check compatibility safety parameters connected devices!**  
**Make sure that the system of equipment used is intrinsically safe!**  
**In the case of unclear please contact support MM Group, s.r.o.!**