

JBB 7028+

Simple intrinsically safe barriers
for positive or negative polarity in grounded circuits.

INTRINSICALLY
SAFE
SECURITY SYSTEMS



DESCRIPTION:

JBB 702x+ Intrinsically safe barrier (Zener Barrier) for positive polarity of voltage or current, P12 housing.

Single channel +VE.

JBB 702x- Intrinsically safe barrier (Zener Barrier) for negative polarity of voltage or current, P12 housing.

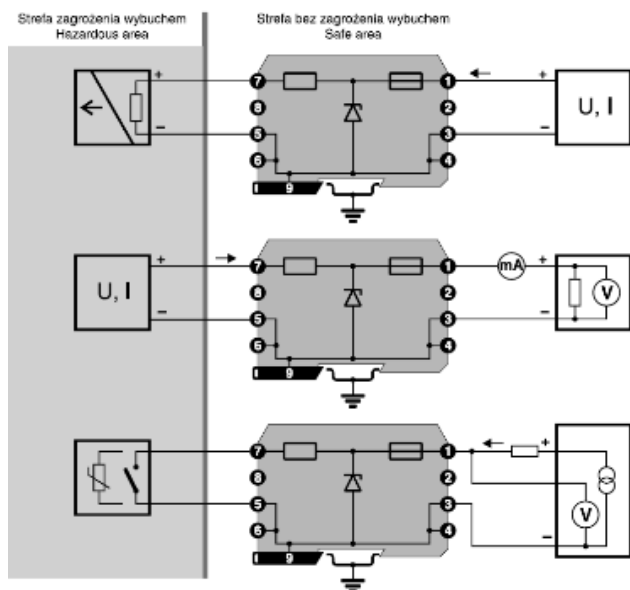
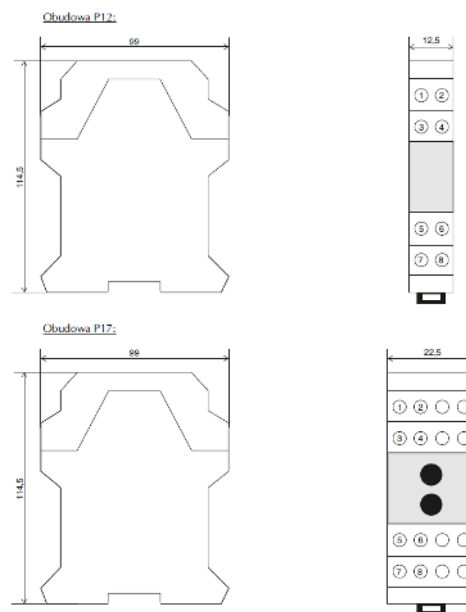
Single channel -VE.

JBB 712x+ Intrinsically safe barrier (Zener Barrier) for positive polarity of voltage or current, with the possibility of replacing the fuse, P17 housing.

Single channel +VE. Replaceable fuse.

JBB 712x- Intrinsically safe barrier (Zener Barrier) for negative polarity of voltage or current, with the possibility of replacing the fuse, P17 housing.

Single channel -VE. Replaceable fuse.



CONNECT:

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

• **Analog output to the explosion hazard zone:** used, for example, for controlling competitions, position sensors, for controlling and supplying optical or audible signalling devices, and all other devices that are located in the explosion hazard zone.

• **Analog input from the explosion hazard zone:** used, for example, for the transmission of electrical signals from devices that are installed in the hazardous area explosion, e.g.: photodiodes, devices with their own power supply, etc.

• **Binary input, resistive input from the explosion hazard zone:** it is used for two-wire resistance measurement of devices that are installed in the explosion hazard zone, such as: temperature sensors, potentiometers, etc. This connection can be easily used for the transmission of binary signals from OC relays, TTL outputs and CMOS.

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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) 7029+	1	31,4	184	171	See below – items 1, 2, 3, 4, 5 in accordance with the Group	
JBB (MM) 7129+	1	31,4	184	171		
JBB (MM) 7029-	1	31,4	184	171		
JBB (MM) 7129-	1	31,4	184	171		
JBB (MM) 7028+	2	28	93	304		
JBB (MM) 7128+	2	28	93	304		
JBB (MM) 7028-	2	28	93	304		
JBB (MM) 7128-	2	28	93	304		
JBB (MM) 7027+	3	15,8	149	106		
JBB (MM) 7127+	3	15,8	149	106		
JBB (MM) 7027-	3	15,8	149	106		
JBB (MM) 7127-	3	15,8	149	106		
JBB (MM) 7026+	4	9,9	198	50		
JBB (MM) 7126+	4	9,9	198	50		
JBB (MM) 7026-	4	9,9	198	50		
JBB (MM) 7126-	4	9,9	198	50		
JBB (MM) 7025+	5	3	298	10,1		
JBB (MM) 7125+	5	3	298	10,1		
JBB (MM) 7025-	5	3	298	10,1		
JBB (MM) 7125-	5	3	298	10,1		

COMMENTS:

U₀, I₀, R₀ - safety parameters;

All barriers are equipped with internal inaccessible fuse.

The 712x series additionally includes internal replaceable fuse with lower nominal value.

* type JBB7029 and JBB7129 cannot be used for IIC.

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.!**