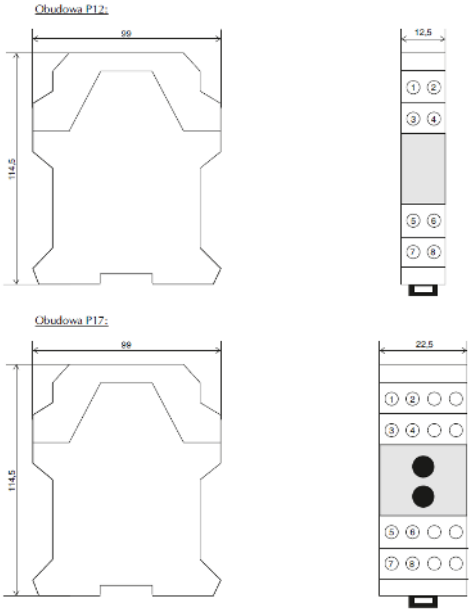
JBB 7028+

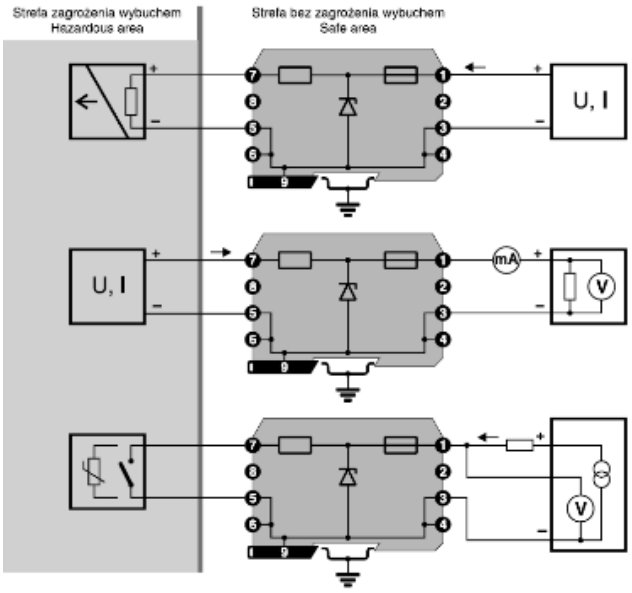
Simple intrinsically safe barriers
for wave signals with positive or negative polarity in grounded circuits.

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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MM GROUP s.r.o. CZECH REPUBLIC

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TECHNICAL PARAMETERS:

Type	Group	U_o [V]	I_o [mA]	R_o [Ω]	L_o [mH]	C_o [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:
U_0 ,I_0 ,R_0 - 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.!

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