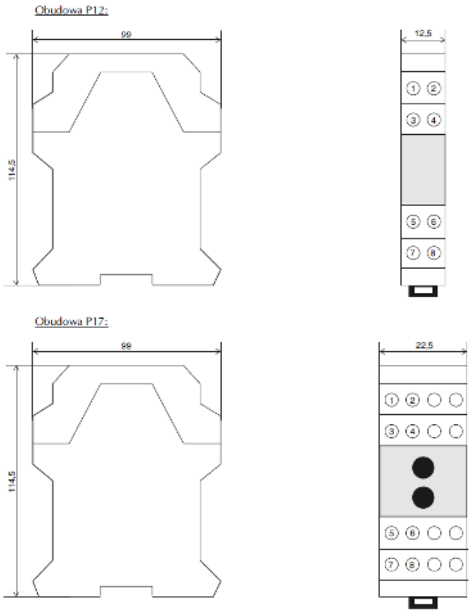
JBB 7028+

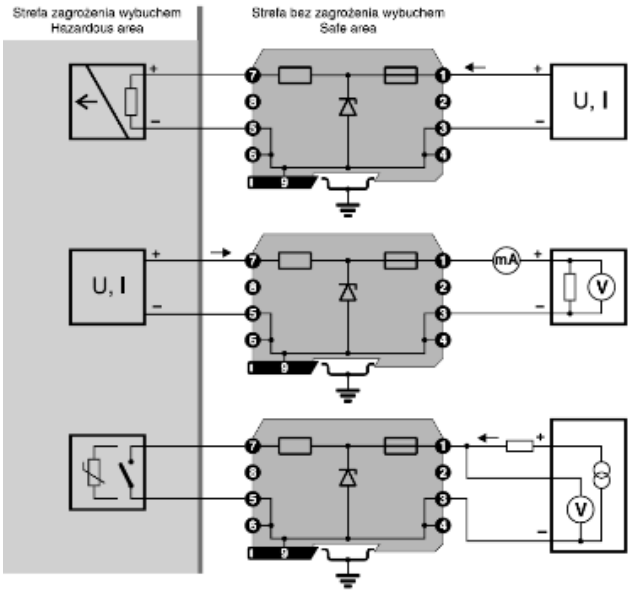
Simple intrinsically safe barriers
for positive or negative polarity in grounded circuits

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





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

• **Analog output in 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 in explosion hazard zones:** 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.

• **Binanry input, resistive input in 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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Intrinsically Safe Security Systems

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_o R_o I_o safety parameters
Uwash the maximum operating voltage at flow rate <10 µA
Rmax maximum resistance
Cap. fuse value
All barriers are equipped with internal inaccessible fuse.
The 712xx series additionally includes internal replaceable fuse with lower nominal value.
* type JBB7029, 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 suport MM Group, s.r.o.!

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