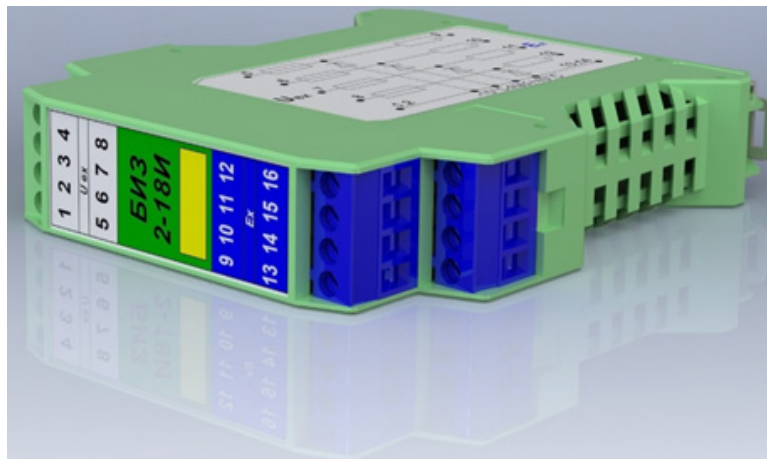


SAFETY BARRIERS OF БИЗ TYPE



GENERAL INFORMATION

Intrinsically safe barriers type БИЗ are designed for explosion protection of control and indication devices, RS type sensors and interfaces installed in Explosive areas. Installation of barriers is allowed only outside the explosive area, or in an explosion-proof enclosure.

MAIN FUNCTIONS

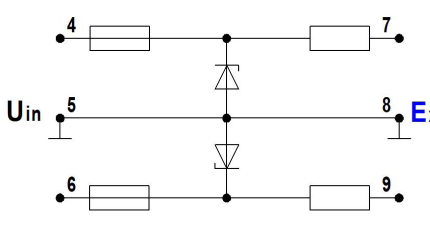
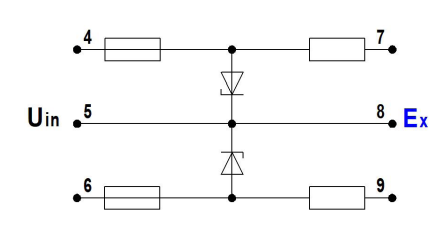
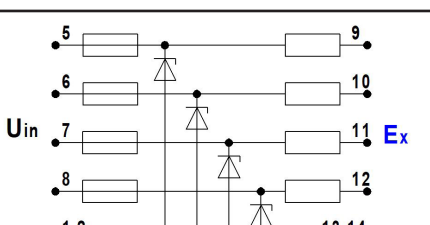
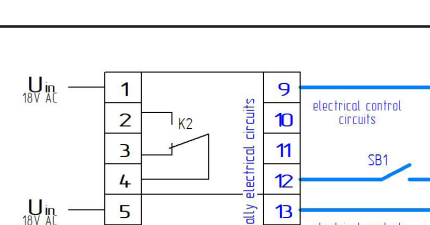
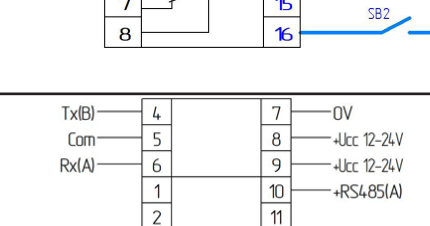
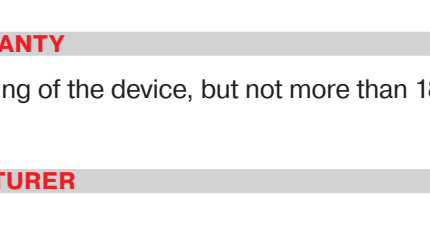


Barriers provide intrinsic safety of:

- analog signals, that enter in the hazardous area from circuits of automation devices (controllers, analog controllers, etc.), which are located in a safe area;
- analog signals, that come from sensors from the explosive area to the inputs of automation devices, which are located in a safe area;
- discrete signals formed by switching repeater of sensors and relays located in the hazardous area;
- discrete signals formed by switching repeater of switching devices located in a safe area;
- discrete signals formed by switching repeater of sensors and relays which are located in a safe area;
- discrete signals formed by switching repeater of switching devices which are located in a safe area.

OPERATION CONDITIONS

Ambient temperature from - 10 to + 40 ° C.

Upper value of relative humidity (98 ± 2)% at ambient temperature + (25 ± 2) ° C.

Barrier models	Explosion protection marking	Connection diagram
БИЗ-2-6, БИЗ-2-12 БИЗ-2-18, БИЗ-2-24 БИЗ-2-30, БИЗ-2-48	I (M2) [Ex ib Mb] I II (2) G [Ex ib Gb] IIA II (2) G [Ex ib Gb] IIB II (2) G [Ex ib Gb] IIC	
БИЗ-1-6, БИЗ-1-12 БИЗ-1-18, БИЗ-1-24 БИЗ-1-30, БИЗ-1-48	I (M1) [Ex ia Ma] I II (1) G [Ex ia Ga] IIA II (1) G [Ex ia Ga] IIB II (1) G [Ex ia Ga] IIC	
БИЗ-2-6П, БИЗ-2-12П БИЗ-2-18П, БИЗ-2-24П БИЗ-2-30П, БИЗ-2-48П	I (M2) [Ex ib Mb] I II (2) G [Ex ib Gb] IIA II (2) G [Ex ib Gb] IIB II (2) G [Ex ib Gb] IIC	
БИЗ-1-6П, БИЗ-1-12П, БИЗ-2-18П, БИЗ-2-24П БИЗ-2-30П, БИЗ-2-48П	I (M1) [Ex ia Ma] I II (1) G [Ex ia Ga] IIA II (1) G [Ex ia Ga] IIB II (1) G [Ex ia Ga] IIC	
БИЗ-2-6И, БИЗ-2-12И БИЗ-2-18И, БИЗ-2-24И БИЗ-2-30И	I (M2) [Ex ib Mb] I II (2) G [Ex ib Gb] IIA II (2) G [Ex ib Gb] IIB II (2) G [Ex ib Gb] IIC	
БИЗ-2-6И, БИЗ-2-12И БИЗ-2-18И, БИЗ-2-24И БИЗ-2-30И	I (M1) [Ex ia Ma] I II (1) G [Ex ia Ga] IIA II (1) G [Ex ia Ga] IIB II (1) G [Ex ia Ga] IIC	
БИЗ-2-24Р	I (M1) [Ex ia Ma] I II (1) G [Ex ia Ga] IIA II (1) G [Ex ia Ga] IIB II (1) G [Ex ia Ga] IIC I (M2) [Ex ib Mb] I II (2) G [Ex ib Gb] IIA II (2) G [Ex ib Gb] IIB II (2) G [Ex ib Gb] IIC	
БИЗ-RS-1 (RS485)	I (M1) [Ex ia Ma] I I (M2) [Ex ib Mb] I	
БИЗ-RS-1 (RS232)	I (M1) [Ex ia Ma] I I (M2) [Ex ib Mb] I	

MANUFACTURER'S WARRANTY

Warranty period - 12 months from the date of commissioning of the device, but not more than 18 months from the date of delivery.

DESIGNER AND MANUFACTURER



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