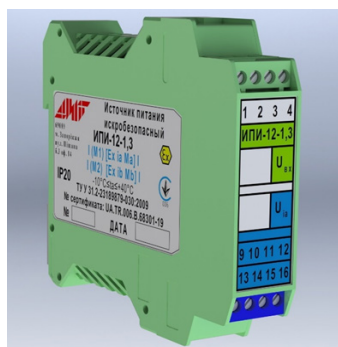


## INTRINSICALLY SAFE POWER SOURCE OF ИПИ TYPE



### GENERAL INFORMATION

Intrinsically safe power sources are designed to power the control and automation devices. Installation of devices is allowed only outside the explosive area or in an explosion-proof enclosure.

### OPERATION CONDITIONS

Ambient temperature from - 10 to + 40 ° C.  
For ИПИ-12-0,8 ambient temperature from -40 to +55 ° C.  
Upper value of relative humidity 98% at ambient temperature + 25 ° C.

### MODELS, MARKING AND CONNECTION DIAGRAM

Models	Explosion proof marking	Options of intrinsically safe electric circuits					
		U <sub>in</sub> , V	U <sub>o</sub> , V	I <sub>o</sub> , mA	C <sub>o</sub> , μF	L <sub>o</sub> , mH	L <sub>o</sub> /R <sub>o</sub> , H/Ω
ИПИ-24-0,3	I (M2) [Ex ib Mb] I	18	24	200	70	1	6,6
	I (M1) [Ex ia Ma] I			200	70	1	6,6
ИПИ-24-1,5	I (M2) [Ex ib Mb] I	220/127	25,5	1500	13,64	1	6,6
	II(2) G [Ex ib Gb] IIA			1500	9	1	4,0
	I (M1) [Ex ia Ma] I			1500	4,7	1	6,6
	II (1) G [Ex ia Ga] IIA			1500	2,78	1	4,0
ИПИ-12-1,3	I (M2) [Ex ib Mb] I	18-24, 220	12,3	1600	34,3	1	5,8
	II (2) G [Ex ib Gb] IIA				10	1	3,5
	I (M1) [Ex ia Ma] I				34,3	1	5,8
	II (1) G [Ex ia Ga] IIA				10	1	3,5
ИПИ-24-3	I (M2) [Ex ib Mb] I	220/127/ 36	24,6	3000	14,16	1	0,6
	I (M1) [Ex ia Ma] I			3000	5,02	1	0,6
ИПИ-12-3,5	I (M2) [Ex ib Mb] I	220/127	12,5	3500	10	1	2,4
	II (2) G [Ex ib Gb] IIA				10	1	1,5
ИПИ-12-5	I (M2) [Ex ib Mb] I	220/127	12,5	5000	32,3	1	1,2
	I (M1) [Ex ia Ma] I			3300	32,3	1	1,2
ИПИ-12-0,8	II (2) G [Ex ib Gb] IIB	220	12,5	830	6	1	0,7
ИПИ-5-2,5	I (M1) [Ex ia Ma] I	18-24	5,5	3000	70	1	29,0
	II(2) G [Ex ib Gb] IIA	220/127			10	1	17,7
	II (2) G [Ex ib Gb] IIB				6	1	8,8
ИПИ-15-3	I (M1) [Ex ia Ma] I	220/127	16	3500	15,2	1	3,4
	I (M2) [Ex ib Mb] I			3300	15,2	1	3,4

### 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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