

INTRINSICALLY SAFE POWER SUPPLY ZIB-2



Catalogue card



DESCRIPTION

Intrinsically safe power supply ZIB-2 is a stationary device used to supply intrinsically safe circuits. ZIB-2 is designed in different variations with different input and output parameters and has a built-in battery. Power ZIB-2 is supplied from non-intrinsically safe voltage 24VAC, 42VAC, 110VAC, 230VAC or 250VDC. In the case of a power failure the unit goes into power mode with an external battery.

Standard version of the power supply has two communication interfaces: RS-485 and RS-232 interface and version ZIB-2F has RS-485 interface and Ethernet fiber-optic interface 100Base-FX. To signal the current state of work of the power supply are LEDs on the power supply housing and a set of two-stage inputs.

Full name is Intrinsically safe power supply ZIB-2x/x/x/x/x. Depending on the version, the user should use relevant designation of the device, according to the following scheme:

ZIB - 2	x	/	x	/	x	/	x	/	x
									1: 8h for ZIB-2/x/x/05/1
									4h for ZIB-2/x/x/10/1
									2,5h for ZIB-2/x/x/15/1
								2: 16h for ZIB-2/x/x/05/2	
									8h for ZIB-2/x/x/10/2
									5h for ZIB-2/x/x/15/2
								05: Nominal output current 0,5A	
								10: Nominal output current 1A	
								15: Nominal output current 1,5A	
								12: Nominal output voltage 12VDC	
								15: Nominal output voltage 15VDC	
								24: Supply voltage 24VAC	
								42: Supply voltage 42VAC	
								110: Supply voltage 110VAC	
								230: Supply voltage 230VAC	
								250: Supply voltage 250VDC	
									-: standard version
									F: version with interface 100BASE-FX Single Mode

TECHNICAL SPECIFICATIONS

Intrinsically safe power supply ZIB-2

Supply voltage (nominal):	24 VAC, 42VAC, 110VAC, 230VAC or 250VDC
Nominal output voltage	12V or 15V
Rated output current	0,5A or 1A or 1,5A
Warranted runtime:	from 2,5h to 16 h
Protection index cover	IP54
Working temperatures (depending on equipment)	from -5°C to + 40°C or from 0°C to + 40°C
Working humidity range	from 15% to 95% without condensation
External dimensions	440 x 250 x 125 mm
Weight	15 kg

EXPLOSION-PROOF MARK

I M2/M1 Ex eb ma mb [ia] I, II 2(1)G Ex eb ma mb [ia] IIB T4 (version ZIB-2)
 I M2/M1 Ex eb ma mb [ia op is] I, II 2(1)G Ex eb ma mb [ia op is] IIB T4 (version ZIB-2F)
 EC type examination certificate: TEST 13 ATEX 0009X