ELTECH SPÓŁKA Z O.O.

41-408 Mysłowice, ul. Murckowska 75
Tel.: (+48) 609-319-475
email: eltech@eltechnet.pl; www.eltechnet.pl

SAFETY POWER SUPPLY

TYPE Z - 3 - ZI*/*ET and Z - 4 - ZI*/*ET

SAFETY POWER SUPPLY TYPE Z - 3 - ZI*/*ET and Z - 4 - ZI*/*ET is intended for supplying intrinsically safe circuits with rated voltage Un= 5V, 12V, 15V i 24V DC. The power supply was built in a flameproof enclosure providing IP54 protection. The PSU has been adapted for supply from the AC mains network with the rated voltage 24V, 42V, 133V, 231V/50Hz. It can be used in fields (rooms) that are not at risk of coal dust and / or methane explosion and in potentially explosive areas.
The power supply meets the conditions of the device group I category M2.
Certyficate UE **CBiDGP 15 ATEX 006X**

I M2 Ex d [ia] I Mb

Z - 3 - ZI*/*ET
Dimensions 150 x 300 x 133mm

Z - 4 - ZI*/*ET
Dimensions 200 x 200 x 137mm

ZI*/*ET

ZI	*/	*	ET
SAFETY POWER SUPPLY	Rated output voltage 5 - Un = 5V 12 - Un = 12V 15 - Un = 15V 24 - Un = 24V	Maximum output current Io: 1 - Io = 1A 2 - Io = 2A 07 - Io = 0,7A 15 - Io = 1,5A 27 - Io = 2,7A	business ,,ELTECH”

Rated supply voltage Un	24VAC/50Hz	42VAC/50Hz	133VAC/50Hz	231VAC/50Hz
Maximum supply voltage Um	28,8V	50,4V	160V	277,2V

Intrinsically safe parameters, security level „ia”

ZI5/1*ET	Uo=5,88V, Co=3000µF	Io=1,0A, Lo=0,65mH	Lo/Ro=287,2µH/Ω
ZI5/15*ET	Uo=5,88V, Co=3000µF	Io=1,5A, Lo=0,32mH	Lo/Ro=184,6µH/Ω
ZI5/2*ET	Uo=5,88V, Co=3000µF	Io=2,0A, Lo=0,22mH	Lo/Ro=138,4µH/Ω
ZI5/27*ET	Uo=5,88V, Co=3000µF	Io=2,7A, Lo=0,13mH	Lo/Ro=102,5µH/Ω
ZI12/1*ET	Uo=13,65V, Co=19µF	Io=1,0A, Lo=0,5mH	Lo/Ro=104,7µH/Ω
ZI12/15*ET	Uo=13,65V, Co=19µF	Io=1,5A, Lo=0,24mH	Lo/Ro=71,4 µH/Ω
ZI12/2*ET	Uo=13,65V, Co=19µF	Io=2,0A, Lo=0,18mH	Lo/Ro=53,3µH/Ω
ZI15/07*ET	Uo=16,8V, Co=10µF	Io=0,7A, Lo=0,9mH	Lo/Ro=100,5µH/Ω
ZI15/1*ET	Uo=16,8V, Co=10µF	Io=1,0A, Lo=0,4mH	Lo/Ro=69,1 µH/Ω
ZI15/15*ET	Uo=16,8V, Co=10µF	Io=1,5A, Lo=0,2mH	Lo/Ro=47,1µH/Ω
ZI15/2*ET	Uo=16,8V, Co=10µF	Io=2,0A, Lo=0,12mH	Lo/Ro=35,2µH/Ω
ZI24/07*ET	Uo=24V, Co=3,5µF	Io=0,7A, Lo=0,8mH	Lo/Ro=49,3µH/Ω