

GZEN-... POWER ADAPTER FOR ELECTRIC TOOLS OPERATED IN UNDERGROUND AREAS OF MINING OPERATIONS

APPLICATION AREA

GZEN power adapted is an electric appliance suitable to supply single-phase electric tools for common use and featuring with the II class of protection and designed for the power supply voltage of 230V/50 Hz. The power adapter enables galvanic separation of electric tools connected directly to the adapter from the three-phase power supply network of the mine, with the insulated neutral point (IT type) and the rated voltages of 230V, 400V, 500V or 1000V provided with the central leakage protection.

APPLICATION CONDITIONS

The device is suitable for working areas of underground operations without the hazard of methane explosion and the ones with the 'a' degree of methane explosion hazard as well as with the 'A' class of coal dust explosion hazard.

CONFORMITY WITH STANDARDS

GZEN-... transformer units of normal design are manufactured in line with rules of good engineering practice in the field of occupational safety as well as current state-of-art in technical expertise with consideration to applicable technical standards and the 2014/35/UE Low Voltage Directive.

TECHNICAL PARAMETERS

Power supply voltage:	- 230V, 50 Hz - 400V, 50 Hz - 500V, 50 Hz - 1000V, 50Hz
Rated voltage at the output:	- 230V, 50 Hz
Transformer power:	- 2500 VA - 4000 VA - 5000 VA
Index of protection:	- IP 54
Fluctuation of supply voltage:	- $0.65 \div 1.2 U_n$
Position of operation	- vertical
Number of outlets	- 1 or 2



MARKING CODE

GZEN - 05 / 2,5 - 2 - PN

Power supply voltage

02 - 230V, 50Hz
04 - 400V, 50Hz
05 - 500V, 50Hz
1 - 1000V, 50Hz

Total rated power

2,5 - 2500 VA
3,2 - 3200 VA
4,0 - 4000 VA
5,0 - 5000 VA

Number of 230V sockets

None - one outlet
2 - two outlets

Manufacturing option

P - portable unit
N - enclosure made of stainless steel

v.2