

ZTN-... TRANSFORMER UNITS OF NORMAL DESIGN

APPLICATION AREA

ZTN-... transformer unit of normal design (IP54) is an electric appliance suitable for local protection and to supply three-phase voltage of 230V/50 Hz or 133V/50 Hz to lighting circuits and other loads provided with own protection solutions. The transformer unit enables galvanic separation between loads to be supplied and the three-phase power supply network with the insulated neutral point (IT type) and the rated voltages of 500V or 1000V provided with the central leakage protection and deployed on the whole mining operation.

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

ZTN-... 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.

MARKING CODE

ZTN - 05-1 / 2 63 / 4 - N

Rated voltage of supply network

05: 500 V
1: 1000 V
05-1 switched 500/1000 V

Rated output voltage

1: 133V/50 Hz
2: 230V/50 Hz

Rated power

32: 3200 VA
40: 4000 VA
50: 5000 VA
63: 6300 VA

Number of outlets

(1 ... 4)

Enclosure options

None: powder painted enclosure
N: enclosure and cable bushings made of stainless steel

TECHNICAL PARAMETERS

Power supply voltage:	500 VAC or 1000 VAC or switched 500/1000 V
Output voltage	230V or 133 V
Control voltage:	24 V AC
Number of outlets:	max. 4
Type of network:	IT
Index of protection:	IP 54
Resistance threshold for tripping of the central leakage protection	7 k Ω \pm 20% @ 133 V 7 k Ω \pm 20% @ 230 V
Overall dimensions:	1000 x 750 x 300 mm
Position of operation	vertical