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## INDEX CARD

**Power supply type**  
**Z-1000/500/230/42/24**



### Application:

The Z-1000/500/230/42/24 power supply has been developed as a portable electrical device designed to supply 230VAC, 42VAC and 24VAC devices - mainly for specialized measuring instruments \*.

*\* Used for measuring and locating faults on cables and power lines in underground mines.*

In rooms with no methane explosion hazard - degree "a" and classified as "A" of coal dust explosion risk, the power supply as a normal construction device with a protection degree of at least IP-54, can operate without restrictions - § 726.2 - Regulation of the Minister of Energy.

*In workings classified as "b" and "c" levels of methane explosion hazard, the use of the power supply is limited by the provisions of Annex 4 - Installation, operation and inspection of machines, devices and installations, to the above-mentioned Regulation of the Minister of Energy, point 5.11 and 5.12. The use of the aforementioned power supply is allowed, then under the conditions specified in these sections of Appendix 4.*

 <p>ISO 9001 OBAC/002/SZJ/23</p>	<p><b>P.H.P.U.</b> <b>IZOL PLAST</b> Sp. z o.o. 44-362 Rogów ul. Raciborska 79 tel./fax 32-4512444, 32-4512010 www.izol-plast.rogow.pl</p>	<p><b>INDEX CARD</b></p>
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<p><b>Power supply type</b> <b>Z-1000/500/230/42/24</b></p>	
Input supply voltage	1000 VAC or 500 VAC
Supply current	0,44 A
Power of power supply unit	0,16 kVA
Output voltage I	230 VAC
Output voltage II	42 VAC
Output voltage III	24 VAC
Load current for 230 VAC	0,4 A
Load current for 42 VAC voltage	2 A
Load current for 24 VAC	3,5 A
Working temperature	-5°C ≤ Ta ≤ +40°C
Location during work	Face up
Level of security	IP 54
Relative humidity at the temperature of + 400C	to 95 %
External dimensions (length x width x height)	184x184x185
Mass	12kg
Length of the power cord	(3±0,25) m
Manufacturer's declaration symbol	CE 18

**Opinion:**

The Z-1000/500/230/42/24 power supply has a technical opinion No. **JSHP / 15 / O / 2018** issued by the Certification Body J. S. Hamilton Poland S. A. ul. Liberation 14; 41-103 Siemianowice Śląskie.

The use of the Z-1000/500/230/42/24 power supply in underground mine workings at the location of damage to cables or tire wires, as a specialized measuring apparatus, may take place in accordance with point 5.12.1 of Annex 4 to the regulation referred to in point 4 of this opinion, on the basis of a written order or in the manner specified in the detailed instructions for safe performance of these works and tests, approved by the manager of the mining plant operations.