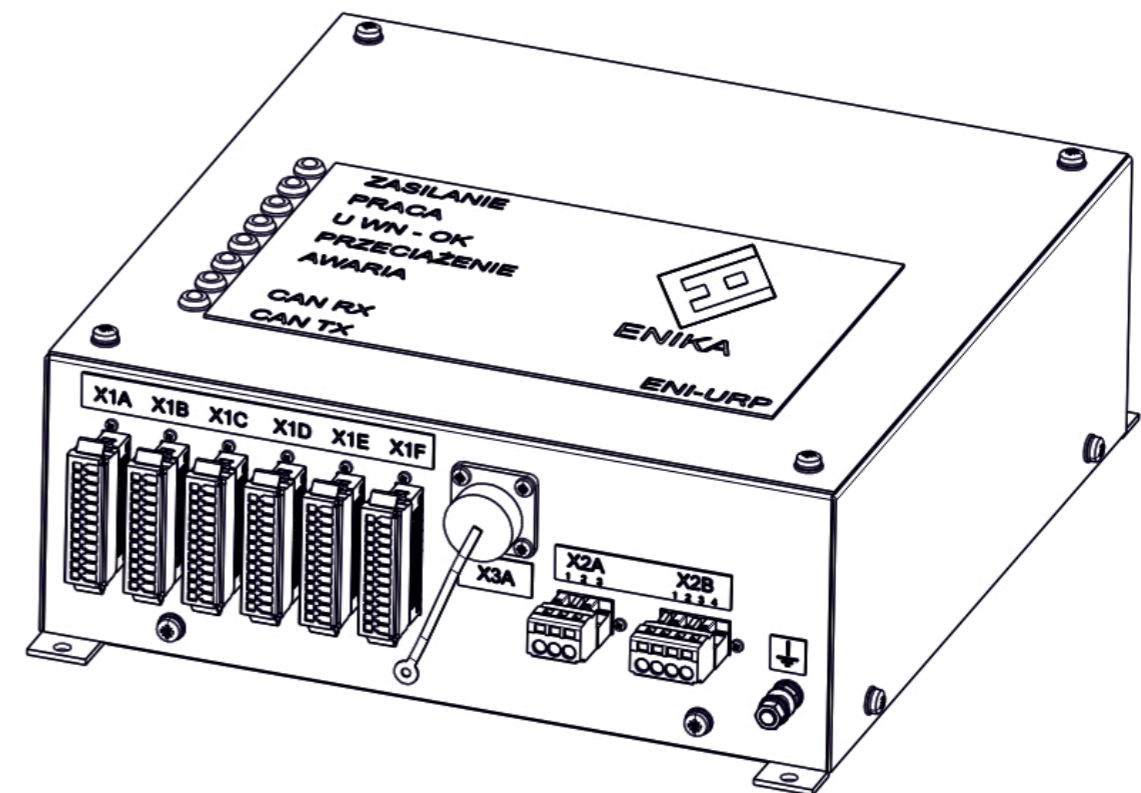


ENI-URP Auxiliary generator excitation regulator

APPLICATION



The regulator is designed to supply the excitation circuit of the Ghp315 S4K synchronous generator and similar generators with the current of adjustable value ensuring maintaining the parameters of the output voltage generated by the generator. The regulator also provides appropriate level of excitation for the short-circuit condition in the generator load circuit for the time necessary for the activation of external protections. The controller monitors the currents individual phases, output voltage and temperatures of bearings and generator windings. After applying the supply voltage, the regulator signals its presence by lighting up the indicator marked POWER. In this state, the regulator expects permission to work from the PLC (sent after CAN). After receiving the permission, generation of the excitation current begins signaled by the PRACA indicator light on. After reaching the rated voltage of the generator, this state is indicated by the V OK indicator light. Possible internal errors cause the FAILURE diode to light up. After the error is resolved, the work is resumed automatically. If an overload of the excitation circuit is detected, the OVERLOAD LED is lit.



SPECIFICATION

TYPE	ENI-URP
Supply voltage	16,8 ÷ 24 V _{DC}
Excitation output	0 ÷ 24 V _{DC}
Excitation current (work)	0 ÷ 4,8 A _{DC}
Excitation current (overload, short circuit)	do 12 A _{DC}
Load capacity of binary outputs	6 A/ 260 V _{AC} ; 6 A/ 24 V _{AC} ; 0, A/ 250 V _{DC}
Binary input voltage	24 V _{DC} ÷ 20%
Ambient temperature range	-30°C ÷ +40°C
Cooling	Natural
Converter mounting	4 M5 screws
Size	280 x 280 x 106 mm (280 x 228 x 106) mm with mounting brackets
Weight	approx. 3 kg
Enclosure protection rating	IP 20
Interference level	N
Compliance with the requirements of standards	PN-69/E-06120, PN-83/E-06122