

# UZE 05/25

with equipment  
Electronic safety system



## DESCRIPTION OF THE SYSTEM

The system is designed for protecting the pumps from running without water in the so-called “dry run” mode, from the lack of the flow of water in the system and from overloading.

System operation is based on continuous measurement of the current drawn by the pump’s motor and comparing it with the preset current values of the “dry running” mode and overload mode. In the case of exceeding the set value, the response time of approx. 10 seconds is timed. If the fault is continuous, then after a time interval elapsed, the pump controlling system is disengaged. If the time of a disturbance is shorter than the response time, the countdown stops and the system timing is reset.

With the 3x400V pumps, in the absence of supply voltage in the measurement phase, the system responds as in the case of a dry running, and in the absence of voltage in one of the remaining phases, the system responds as in the case of an overload.

System installed in a switching station. Equipped with UZE 05, contactor, switch.

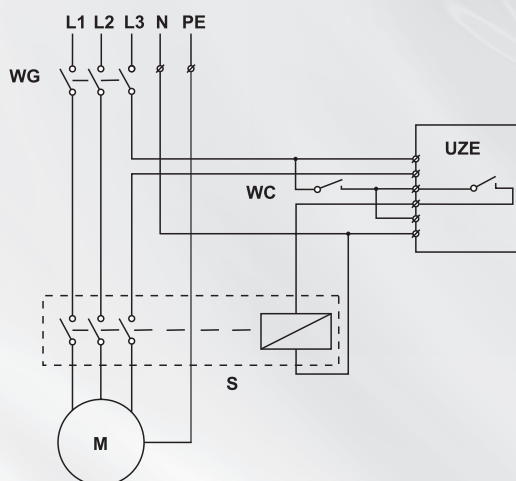


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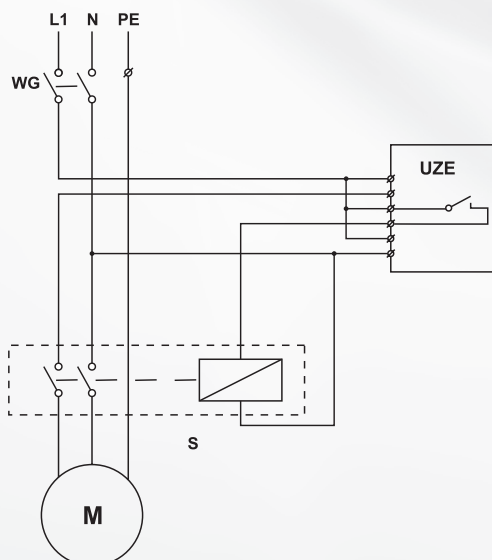
TECHNICAL DATA	UZE 05/25 with equipment
Supply voltage	230/400 V, 50 Hz
Rated current – control contact	8 A/ 250 V
Rated current – switchable current input	0-2,5 A / 0-25A, 50 Hz
Housing protection class	IP 20
Rail mounting system	yes
Ambient temperature	0 °C - 40 °C
Dimensions	90x87x58 mm
Operating mode M - momentary (permanent pump shutdown) A - retractive ( shutdown – break – switching on )	switchable

### CIRCUIT TO 3 X 400V PUMP CONNECTION



WG – main switch  
WC – pressure switch  
S – contactor  
M – motor

### CIRCUIT TO 1 X 230V PUMP CONNECTION DIAGRAM



WG – main switch  
S – contactor  
M – motor