

UZE 06

Electronic Protection System



DESCRIPTION

The system is intended to protect single-phase and three-phase pump motors against operation in dry conditions – a dry run, no water flow, and overload.

The system constantly monitors the current consumed by the pump motor and compares this value to the settings for dry run and overload. If these setpoints are exceeded, a trip time delay of approximately three seconds starts. If the failure continues, the pump control system is disconnected after the delay time. If the failure is shorter than the trip delay, the time stops and the timer is reset.

In the case of 3x400 V pumps, the lack of power on the measurement phase triggers the same response as for dry run and the lack of power on any other phase triggers the overload response.

The system has a plastic MODULBOX rail-mounted enclosure.

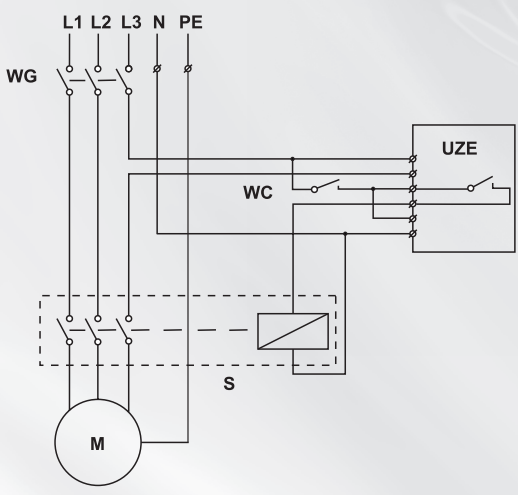


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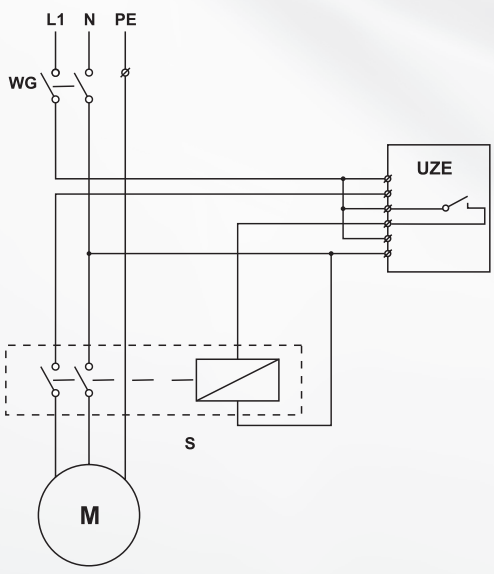
TECHNICAL CHARACTERISTICS	UZE 06
Power voltage	~230 V, 50 Hz
Rated current for control contact	8 A / 250 V
Rated current	0-25A, 50 Hz
Enclosure protection level	IP 20
Rail mounting	yes
Ambient temperature range	0 °C - 40 °C
Dimensions	90x87x58 mm
Mode of operation M – monostable (no pump reset) A – retractive (power off – pause – restart)	switchable

3 X 400 V PUMP CONNECTION DIAGRAM



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

1 X 230 V PUMP CONNECTION DIAGRAM



WG – main switch
S – contactor
M – motor