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Support control system of the RTW 5 fan.



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1. Introduction.

Support control system of the RTW 5 fan is designed to start a single-phase fan of up to 1,1kW engine power.

2. Application.

The system is designed to work with the RTT systems. It is mainly used for starting cooling fans in power transformers.

3. Technical data.

Supply voltage rating:	230 V AC, single-phase
Power frequency:	50/60 Hz
Maximum input power during the starting process:	1.5 W
Number of inputs:	1
Maximum starting current:	6 A
Rated work voltage:	230V AC
Ambient temperature (during work):	-25 to 55°C
Ambient temperature (during storage):	-25% to 80°C
Protection:	neutral grounding or earthing
Protection grade:	IP 65
Dimensions:	
– width:	100 mm
– height:	170 mm
– depth:	110 mm
Cable glands:	2xPG16
Weight:	0,5kg

4. Installation.

The system should be mechanically fastened to the base by means of two M4 or M5 screws in the bottom part of the enclosure. After screwing the system to the base, secure the holes with protective caps (inserted into the inside of the system for transportation purposes).

Connect the fan to the system: the phase wire to the terminal-2 of the contactor and the neutral wire to terminal-4 of the contactor, the protective wire PE to PE terminal.

Connect the system to a power supply 230V AC: phase wire to terminal-1 of fuse F1, neutral wire to the terminal-3 of the contactor and the PE wire to the terminal PE.

Connect the RTW5 system with the RTT device. Terminals 62 and 63 of the RTW5 connect to corresponding terminals of the output relays RTT device.
The system does not require any adjustment.

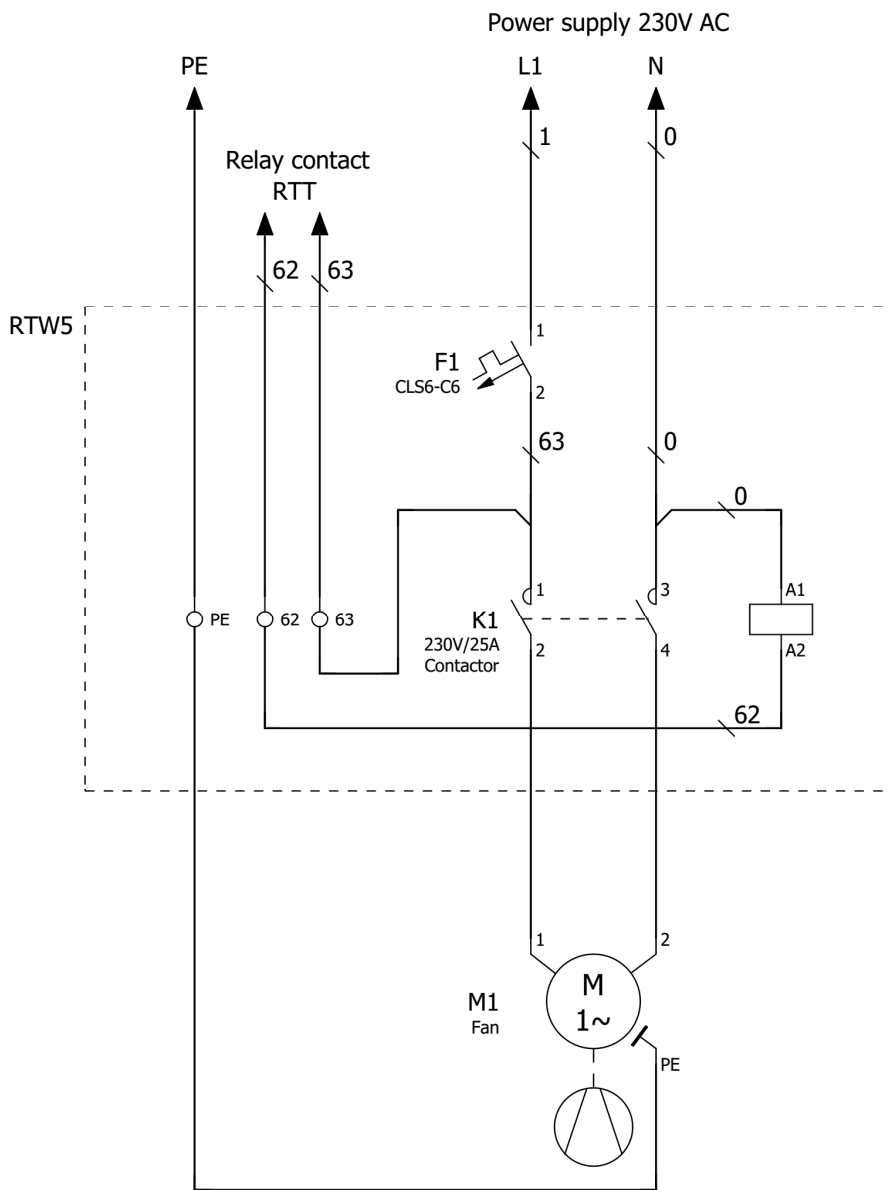


Fig.1 Connection diagram