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## CZF2

### PHASE CONTROL RELAYS

with checking state of contactor contacts



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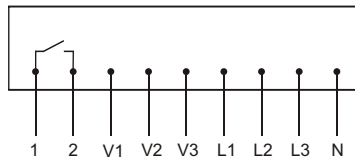
F&F products are covered by an 24 months warranty from date of purchase

#### PURPOSE

Three phase monitors serve to protect the three-phase electric motors supplied from three-phase mains, against phase collapse in at least one phase or against phase-to-phase voltage asymmetry, threatening to damage the motor.



#### WIRING DIAGRAM



#### FUNCTIONING

Supplied a receiver is signaled by shine of green LED. Phase collapse in at least one phase or voltage unbalance between phases - more than 45V~ - above fixed actuation threshold causes switching-OFF the motor. The motor switching-OFF occurs with delay from 3 to 5 sec, which prevents any accidental motor disconnecting at temporary voltage drop. Break of any contactor is signaled by shine of red LED. The re-connection is possible after take OFF the power, fixe a break and again take ON the power. At occurrence of these disturbances, it is not possible to set a motor in motion.

#### ASSEMBLY

1. Check work of motor.
2. Take OFF the power.
3. Put on the relay to substrate.
4. Connect power with marks.
5. Contractor of relay (joints 1-2) connect in line to coil of contactor which switch On the motor.

#### TECHNICAL DATA

supply	3×400/230V +N
current load	<10A
joint	1N/O
sygnalling of supply	2×LED
activation voltage asymmetry	45V~
activation voltage	185V~
hysteresis	5V~
switching OFF delay	4sec
power consumption	1,6W
working temperature	-25+40°C
connection	screw terminals 2,5mm <sup>2</sup>
dimensions	95×60×25mm
fixing	two screws to substrate

