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CZF-B

PHASE CONTROL RELAYS

three phase monitors



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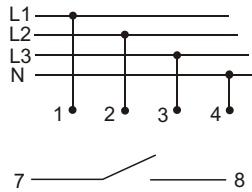
F&F products are covered by a 24 months warranty from date of purchase

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 signalized by shine of diode LED in at everyone phase. Phase collapse in at least one phase or voltage unbalance between phases 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. The re-connection will occur automatically at voltage increase of 5V above activation voltage (i.e. of value of voltage hysteresis). 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 on the rail in switchgear box.
4. Connect power to joint 1, 2, 3, 4 with marks.
5. To joints 7 - 8 connect in line system of supply coil of switch ON contractor.

TECHNICAL DATA

supply	3×400/230V +N
current load	<10A
joint	1N/O
sygnalling of supply	3×LED
activation voltage asymmetry	55V~
hysteresis	5V~
switching OFF delay	4sec
power consumption	1,6W
working temperature	-25+40°C
connection	screw terminals 2,5mm ²
dimensions	two modules (35mm)
fixing	on rail TH-35

