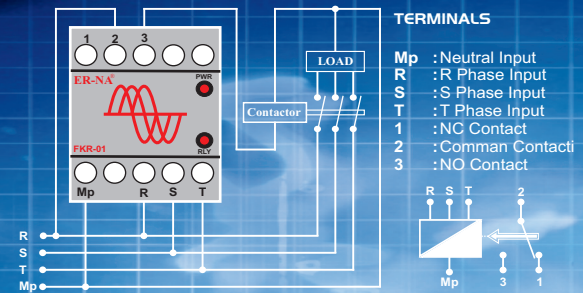


MOTOR (PHASE) PROTECTION RELAY

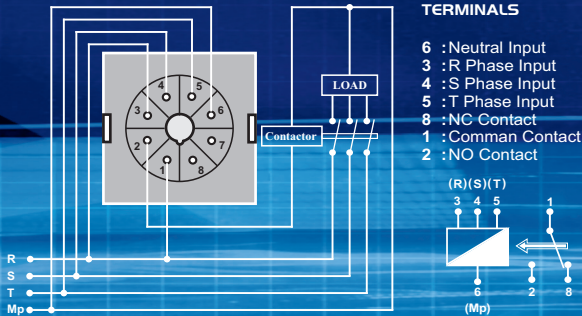
TECHNICAL DATA

Supply Voltage (Un) : 3x380V AC
 The device power is supplied from the network being protected.
 Operation Frequency : 50/60 Hz
 Output : 1 Relay, 5A, 1250 VA (NO+NC)
 Delay Time : 2 sec.
 Operation Temperature : -40...+50 °C
 Protection Class : IP 20
 Dimensions (mm.) : 45x55x90 (Classic Type)
 48x48x83 (Socket Type)
 23x82x85 (Slim Type)
 Net Weight : 91 gr. (Classic Type)
 70 gr. (Socket Type)
 86 gr. (Slim Type)

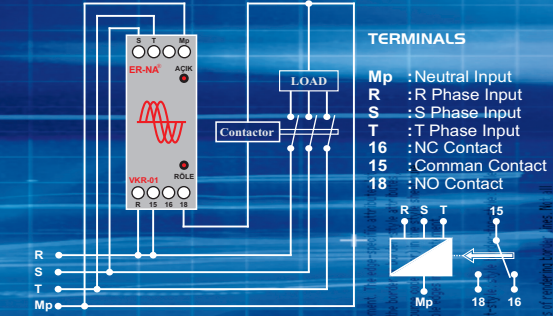
CONNECTION DIAGRAM 1



CONNECTION DIAGRAM 2



CONNECTION DIAGRAM 3



FKR-01, SFK-01, VKR-01

- If the phase (R,S,T) are within the set interval the relay the relay is switched on.
- When the phase-phase voltage difference exceeds %20 of the supply voltage, the relay switches off.
- Single contact out.. (NO+NC)
- Supply Voltage and relay contact led available.

FKR-01P, SFK-01P, VKR-01P

- Motor protection relays with PTC input.
- The relay switches off if the motor coil overheats.
- If not used PTC inputs must be short circuited.

FKR-10, SFK-10, VKR-10

- Motor protection relays with PTC and phase sequence control.
- The relay switches off if the motor coil overheats.
- The relay switched off if the phases are inversely connected.
- If not used PTC inputs must be short circuited.

| Code | Supply Voltage | PROTECTION FUNCTION | | | | Voltage Connection | Output | Connection Diagram | | | |
|---------|-----------------------|---------------------|----------------|----------------|-------------------|--------------------|-------------|-----------------------------------|-----------|-----------|-----------|
| | | Phase Failure | Phase Sequence | PTC Protection | Voltage Unbalance | | | | | | |
| FKR-01 | 3x380V AC 50/60 Hz | ✓ | — | — | — | ±%20 Fixed | 3Phase+nötr | 1 Relay 5A / 1250VA NO + NC | | | |
| FKR-01P | | | — | — | ✓ | | | | Diagram 1 | | |
| FKR-10 | | | ✓ | — | ✓ | | | | | | |
| SFK-01 | | | — | — | — | | | | | Diagram 2 | |
| SFK-01P | | | — | — | ✓ | | | | | | |
| SFK-10 | | | ✓ | — | ✓ | | | | | | |
| VKR-01 | | | — | — | — | | | | | | Diagram 3 |
| VKR-01P | | | — | — | ✓ | | | | | | |
| VKR-10 | | | ✓ | — | ✓ | | | | | | |