

## EOCR-3DM/FDM

### EOCR-3DM



### EOCR-FDM



- Compact Design
- 3DM:Panel Mounting Type
- FDM:Panel Flush Mounting Type
- MCU( Microprocessor Control Unit )&ASIC Based
- Three Integral Current Transformers
- Overcurrent/Phase Loss/Phase Reversal/Phase Unbalance/Locked Rotor
- Digital Ammeter
- Troubleshooting/Trip Cause Memory, Display
- Adjustable Operating Features by Pulse Rotary switch
- Wide Current Adjustment Range
- Selectable Time-Current Characteristics(Inverse/Definite)
- Manual Instantaneous/Electrical Remote Reset
- Run time Monitor/Load Alert Function
- Ambient Insensitive
- Selectable Fail-safe and Non-fail-safe Operation Modes

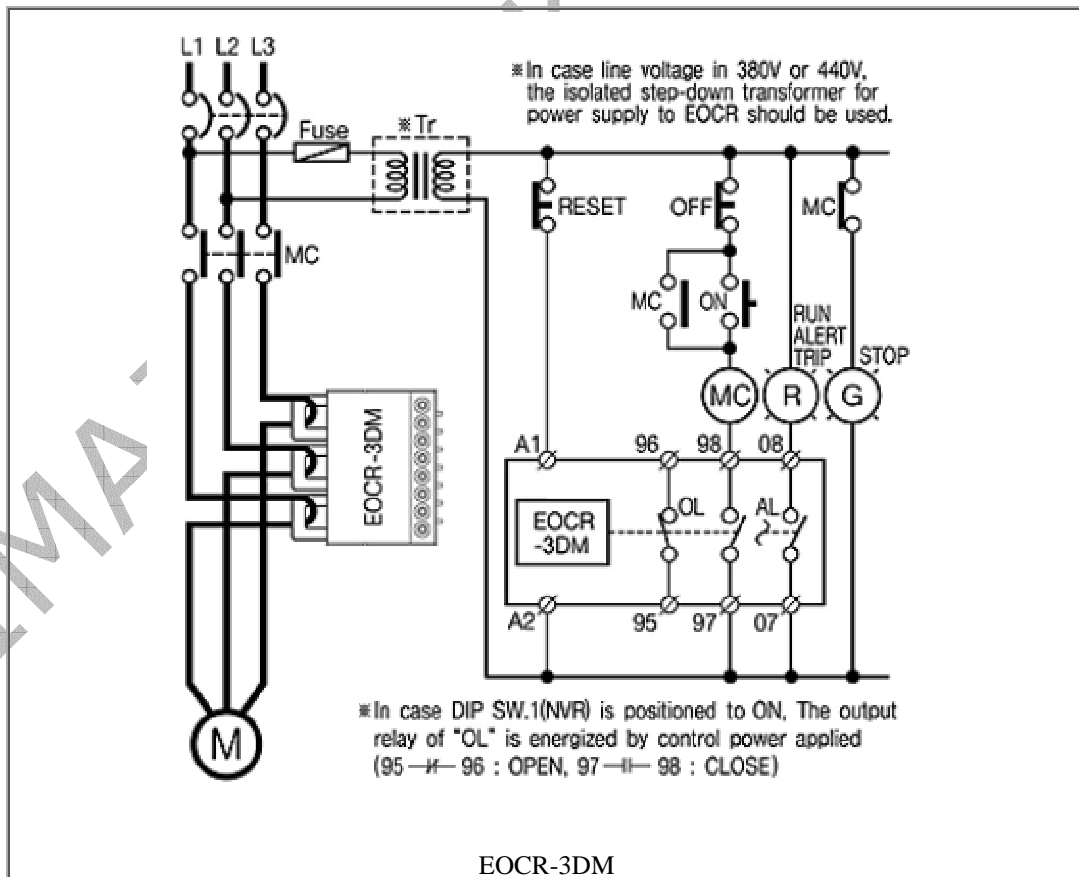
### Protection

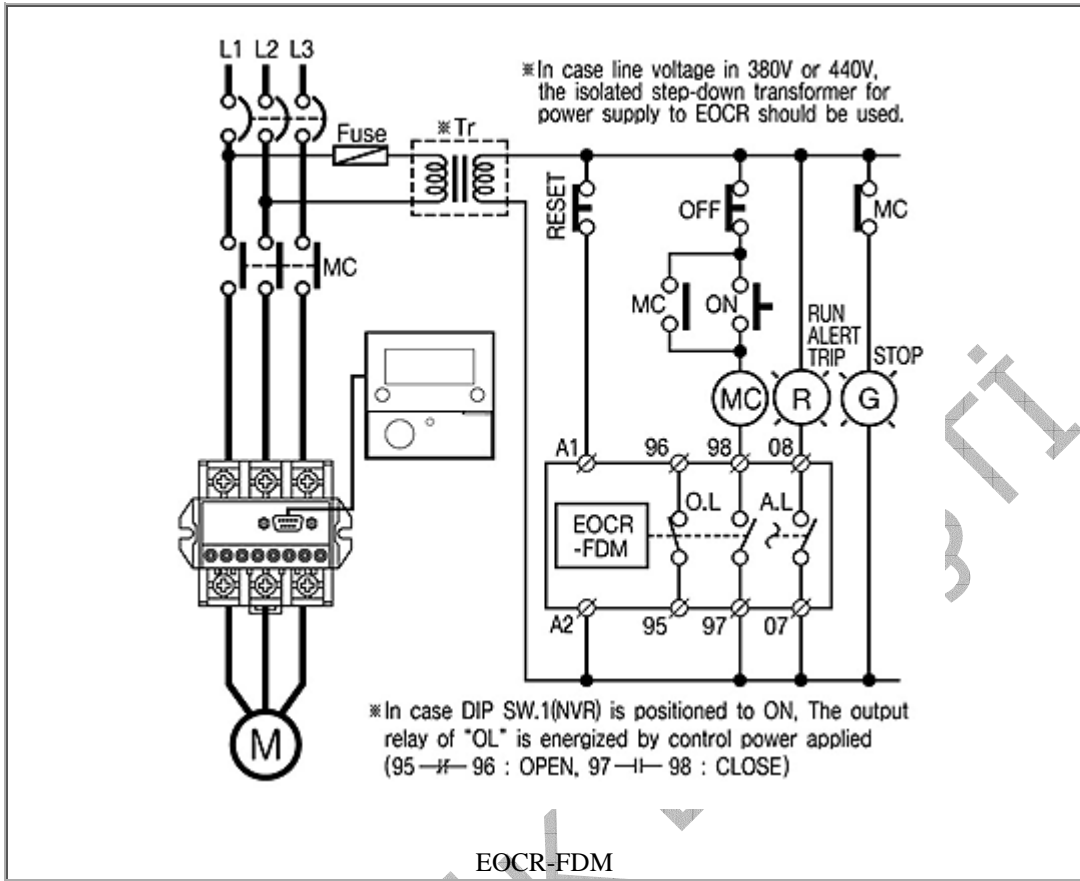
| Protective Item | Trip Time               |                 |
|-----------------|-------------------------|-----------------|
| Over-current    | DEF:0.2~30sec, INV:1~30 |                 |
| Undercurrent    | 0.5~30sec(DEF)          |                 |
| Phase loss      | Within 3sec             |                 |
| Phase Unbalance | 8sec                    |                 |
| Phase Reversal  | 0.1sec                  |                 |
| Locked Rotor    | Lock                    | 0.5sec after dt |
|                 | stall                   | 1~10sec         |

➔ Specification

| Model                 |                         | 3DM /FDM                            |   |
|-----------------------|-------------------------|-------------------------------------|---|
| Current Setting Range | Over-Current(oc)        | 0.1~800A(Over 60A,Use external CTs) |   |
|                       | Under-Current(uc)       | 0.5~under OC setting                |   |
| Time Setting          | Starting Delay Time(dt) | OFF~200sec                          |   |
|                       | Over-Current Trip (ot)  | DEF:0.2~30sec/INV:1~30sec           |   |
|                       | Under-Current Trip (ut) | 0.5~30sec(DEL)                      |   |
| Control Power         | 220                     | 85~250VAC/DC, 85~50VAC/DC, 50/60Hz  |   |
| Output Relay          | O.L                     | 2-SPST, 3A/250VAC, Resistive        |   |
|                       | A.L                     | 1-SPST, 3A/250VAC, Resistive        |   |
| Environment           | Temperature             | Store                               | -30 ~80 °C                                  |
|                       |                         | Operation                           | -30 ~60 °C                                  |
|                       | Humidity                |                                     | 30~85RH, Non-Condensation                   |
| Display               | 7-Segment LEDs          |                                     | 3 Phase current, 3 Trip Causes, Run time    |
|                       | Bar-Graph               |                                     | % of existing Current vs OC setting current |
| Mounting              |                         | 35mm DIN-Rail                       |   |

➔ Typical Wiring





İMA TEKNİK

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