

NEW MULTI FUNCTION DIGITAL RELAYS



EOCR-3DM2



EOCR-FDM2



Button Hole Type ①

Digital Motor Protection Relays

Selection Guide

| MODEL | | 3DM2 / FDM2 ① | OTHER MODELS ② |
|--------------------------------|------------------------------|-----------------------------|-----------------------------|
| Control Voltage | | 100 ~ 240V AC/DC ① | |
| | | 24V AC/DC | |
| Frequency | | 50/60 Hz | |
| Single Phase | | ● | ● |
| Three Phase | | ● | ● |
| CT Type | Window Hole | ● | ● |
| | Button Hole | ● ① | ● |
| | Terminal | ● | ● |
| Protection Function | Overcurrent | ● | ● |
| | Undercurrent | ● | ● |
| | Stall | ● | ● |
| | Jam | ● | ● |
| | Phase Loss | ● | ● |
| | Phase Reversal | ● | ● |
| | Imbalance | ● | ● |
| | Ground Fault | | 3MZ2/FMZ2 - i3MZ/iFMZ |
| | Short Circuit | | i3MS/iFMS |
| Thermal Inverse | | i3DM - i3MZ - i3M420 - i3MS | |
| 4-20mA Output | | | i3M420/iFM420 |
| Additional Function | Alert Output | A, F, H | i3DM/iFDM |
| | Bar Graph | ● | ● |
| | Display | 5 Digit 7 Segment | |
| | Password Function | | i3DM - i3MZ - i3M420 - i3MS |
| | Fail Safe ON/OFF | ● | ● |
| | Trip Cause Display and Store | ● | ● |
| | Total Running Hour | ● | ● |
| | Running Hour Timer | ● | i3DM/iFDM |
| | Reset | Manual / Auto / Electric | |
| Comm. Protocol - MODBUS RS-485 | | | i3DM - i3MZ - i3M420 - i3MS |

Notes: ① Standard stock model
② Stocks may vary - check with EIC

Conversion

| OLD MODEL | NEW MODEL |
|-----------|--------------------|
| 3DD | 3DM2 or i3DM |
| 3DE | |
| 3DM | |
| FD | FDM2 or iFDM |
| FDE | |
| FDM | |
| 3DZ | 3MZ2 or i3MZ |
| 3EZ | |
| 3MZ | |
| FDZ | FMZ2 or iFMZ |
| FEZ | |
| FMZ | |
| 3D420 | i3M420 |
| 3E420 | |
| 3M420 | |
| FD420 | iFM420 |
| FE420 | |
| FM420 | |
| 3DS | i3MS |
| 3MS | |
| FDS | iFMS |
| FMS | |

Alert Indication

| Condition / ALO Setting | Motor Stop | Motor Starting | Normal Running | Exceeds Alert Setting | TRIP |
|-------------------------|------------|----------------|----------------|-----------------------|------|
| Flicker "F" | | | | | |
| Hold "H" | | | | | |
| Aux "A" | | | | | |

Ordering Information

| PART NUMBER | DESCRIPTION | TRADE PRICE |
|-------------|-------------|-------------|
| EOCR-3DM2 | Panel Mount | |
| EOCR-FDM2 | Door Mount | |

Notes: Refer to EIC for pricing and details of other relays shown in the Selection Guide

