


New digital

		New digital		
				
Model		3DM2/ FDM2	3MZ2/ FMZ2	i3
Control voltage		AC/DC 100 ~ 240V	AC/DC 100~240V	AC
		DC/AC 24V	DC/AC 24V	
Frequency		50/60 Hz	50/60 Hz	
Single phase		•	•	
Three phase		•	•	
CT type	Window hole	•	•	
	Bottom hole	•	•	
	Terminal	•	•	
Protection function	Overcurrent	•	•	
	Undercurrent	•	•	
	Stall	•	•	
	Jam	•	•	
	Phase loss	•	•	
	Phase reversal	•	•	
	Imbalance	•	•	
	Ground fault	-	•	
	Short circuit	-	-	
Thermal inverse	-	-		
4-20mA output		-	-	
Additional function	Alert output	A, F, H	-	
	Bar graph	•	•	
	Display	5 Digit 7 Segment	5 Digit 7 Segment	5 D
	Password function	-	-	
	Fail safe ON/OFF	•	•	
	Trip cause display and Store	•	•	
	Total running hour	•	•	
	Running hour timer	•	-	
Reset	Manual/Auto/Electric	Manual/Auto/Electric	Manu	
Comm. protocol		-	-	MO
Existing model		3DD, 3DE, 3DM	3DZ, 3EZ, 3MZ	3D
		FD, FDE, FDM	FDZ, FEZ, FMZ	FD





Selection guide





Old reference	New reference	Display	Cable	Option
				ZCT
3DD-05DB, 3DD-60DB, 3DE-WRDB, 3DM-WRDB	3DM2-WRDBW(T)	-	-	-
	3DM2-WRDBH(T)	-	-	-
3DD-05DZ7, 3DD-60DZ7, 3DE-WRZF7, 3DE-WRDZ7, 3DMWRDZ7	3DM2-WRDUW	-	-	-
	3DM2-WRDUH	-	-	-
FD-05DBW(T), FD-60DBW(T), FDE-WRDBW(T), FDMWRDBW(T)	FDM2-WRDBW	EOCR-PDM	CABLE-RJ45-xxx	-
	FDM2-WRDBH	EOCR-PDM	CABLE-RJ45-xxx	-
FD-05DZ7W(T), FD-60DZ7W(T), FDE-WRDF7W(T), FDMWDZ7W(T), 3DM-WDZ7W(T)	FDM2-WRDUW	EOCR-PDM	CABLE-RJ45-xxx	-
	FDM2-WRDUH	EOCR-PDM	CABLE-RJ45-xxx	-
3DZ-05ABA(B), 3DZ-60ABA(B), 3EZ-WRABA, 3MZWRABA(B)	3MZ2-WRABW	-	-	ZCT-xxx
	3MZ2-WRABH	-	-	ZCT-xxx
3DZ-05CBA(B), 3DZ-60CBA(B), 3MZ-WRCBA(B)	3MZ2-WRCBW	-	-	ZCT-xxx
	3MZ2-WRCBH	-	-	ZCT-xxx
3DZ-05AZ7A(B), 3DZ-60AZ7A(B), 3EZ-WRAF7A, 3EZ-WRAM7A, 3MZ-WRAZ7W(T)A(B)	3MZ2-WRDBW	-	-	ZCT-xxx
	3MZ2-WRDBH	-	-	ZCT-xxx
3DZ-05CZ7A(B), 3DZ-60CZ7A(B), 3MZ-WRCZ7W(T)A(B)	3MZ2-WRAUW	-	-	ZCT-xxx
	3MZ2-WRAUH	-	-	ZCT-xxx
3DZ-05DBA(B), 3DZ-60DBA(B), 3MZ-WRDBA(B)	3MZ2-WRCUW	-	-	ZCT-xxx
	3MZ2-WRCUH	-	-	ZCT-xxx
3DZ-05DZ7A(B), 3DZ-60DZ7A(B), 3MZ-WRDZ7W(T)A(B)	3MZ2-WRDUW	-	-	ZCT-xxx
	3MZ2-WRDUH	-	-	ZCT-xxx
FDZ-05ABW(T)A(B), FDZ-60ABW(T)A(B), FEZ-WRABW(T)A, FMZ-WRABW(T)A(B)	FMZ2-WRABW	EOCR-PDM	CABLE-RJ45-xxx	ZCT-xxx
	FMZ2-WRABH	EOCR-PDM	CABLE-RJ45-xxx	ZCT-xxx
FDZ-05CBW(T)A(B), FDZ-60CBW(T)A(B), FMZWRCBW(T)A(B)	FMZ2-WRCBW	EOCR-PDM	CABLE-RJ45-xxx	ZCT-xxx
	FMZ2-WRCBH	EOCR-PDM	CABLE-RJ45-xxx	ZCT-xxx
FDZ-05DBW(T)A(B), FDZ-60DBW(T)A(B), FMZWRCBW(T)A(B)	FMZ2-WRDBW	EOCR-PDM	CABLE-RJ45-xxx	ZCT-xxx
	FMZ2-WRDBH	EOCR-PDM	CABLE-RJ45-xxx	ZCT-xxx
FDZ-05AZ7W(T)A(B), 3DZ-60AZ7W(T)A(B), FEZWRAF7W(T)A, 3EZ-WRAM7W(T)A, 3MZ-WRABW(T)A(B)	FMZ2-WRAUW	EOCR-PDM	CABLE-RJ45-xxx	ZCT-xxx
	FMZ2-WRAUH	EOCR-PDM	CABLE-RJ45-xxx	ZCT-xxx
FDZ-05CZ7W(T)A(B), 3DZ-60CZ7W(T)A(B), FMZWRCZ7W(T)A(B)	FMZ2-WRCUW	EOCR-PDM	CABLE-RJ45-xxx	ZCT-xxx
	FMZ2-WRCUH	EOCR-PDM	CABLE-RJ45-xxx	ZCT-xxx
FDZ-05DZ7W(T)A(B), 3DZ-60DZ7W(T)A(B), FMZWRDZ7W(T)A(B)	FMZ2-WRDUW	EOCR-PDM	CABLE-RJ45-xxx	ZCT-xxx
	FMZ2-WRDUH	EOCR-PDM	CABLE-RJ45-xxx	ZCT-xxx
3D420-059, 3D420-609, 3E420-WR9, 3M420-WR9	i3M420-WRDBW	-	-	-
	i3M420-WRDBH	-	-	-
3D420-053, 3D420-603, 3D420-056, 3D420-606, 3E420-WR91, 3M320-WR3, 3M420-WR6	i3M420-WRDUW	-	-	-
	i3M420-WRDUH	-	-	-
FD420-0539, FD420-6039, FD420-0569, FD420-6069, FE420-WR91(3), FM420-WR91(3)	iFM420-WRDBW	EOCR-PDM	CABLE-RJ45-xxx	-
	iFM420-WRDBH	EOCR-PDM	CABLE-RJ45-xxx	-
FD420-0531(3), FD420-6031(3), FD420-0561(3), FD420-6061(3), FE420-WR3(1), FE420-WR6(1), FM420-WR31(3), FM420-WR61(3)	iFM420-WRDUW	EOCR-PDM	CABLE-RJ45-xxx	-
	iFM420-WRDUH	EOCR-PDM	CABLE-RJ45-xxx	-
3DS-05DB, 3DS-20DB, 3MS-05DB, 3MS-20DB	i3MS-WRDBW	-	-	-
	i3MS-WRDBH	-	-	-
3DS-05DZ7, 3DS-20DZ7, 3MS-05DZ7, 3MS-20DZ7	i3MS-WRDUW	-	-	-
	i3MS-WRDUH	-	-	-
FDS-05DBW(T), FDS-20DBW(T), FMS-05DBW(T), FMS-20DBW(T)	iFMS-WRDBW	EOCR-PDM	CABLE-RJ45-xxx	-
	iFMS-WRDUH	EOCR-PDM	CABLE-RJ45-xxx	-
FDS-05DZ7W(T), FDS-20DZ7W(T), FMS-05DZ7W(T), FMS-20DZ7W(T)	iFMS-WRDBW	EOCR-PDM	CABLE-RJ45-xxx	-
	iFMS-WRDUH	EOCR-PDM	CABLE-RJ45-xxx	-

EOCR-i Series (with communication)

Basic model : EOCR-i3DM (Z, S, 420) / iFDM (Z, S, 420)

Ordering






EOCR-i3XX		<div style="display: flex; justify-content: space-around; align-items: center;"> i3DM - WR D U W Q </div>	
 Window CT			
 Bottom CT			
 Terminal			
 External CT combination type			
<input type="checkbox"/>	Model name	i3DM	Basic model
<input type="checkbox"/>	Current Range	i3MZ	GF model
<input type="checkbox"/>	Output contact type	i3M420	4~20mA output model
<input type="checkbox"/>	Control voltage	i3MS	SC model
<input type="checkbox"/>	CT type	WR	0.5~60A 0.5~20A (i3MS)
<input type="checkbox"/>	Export code	H1	100:5 3CT combination type
<input type="checkbox"/>	Model name	HH	150:5 3CT combination type
<input type="checkbox"/>	Current Range	H2	200:5 3CT combination type
<input type="checkbox"/>	Output contact type	H3	300:5 3CT combination type
<input type="checkbox"/>	Control voltage	H4	400:5 3CT combination type
<input type="checkbox"/>	CT type	i3MZ	A a(97-98) :OC, a(57-58) : GR
<input type="checkbox"/>	Export code		C b(95-96), a(97-98) : OC.GR common
<input type="checkbox"/>	Model name	D	b(95-96) :OC, a(57-58) : GR
<input type="checkbox"/>	Current Range	B	24VAC/DC
<input type="checkbox"/>	Output contact type	U	100~240VAC/DC
<input type="checkbox"/>	Control voltage	W	Window type
<input type="checkbox"/>	CT type	H	Bottom hole type
<input type="checkbox"/>	Export code	T	Terminal type
<input type="checkbox"/>	Model name	Q	

EOCR-iFXX		<div style="display: flex; justify-content: space-around; align-items: center;"> iFDM - WR D U W Q </div>	
 Window CT			
 Bottom CT			
 Terminal			
 External CT combination type			
<input type="checkbox"/>	Model name	iFDM	Basic model
<input type="checkbox"/>	Current Range	iFMZ	GF model
<input type="checkbox"/>	Output contact type	iFM420	4~20mA output model
<input type="checkbox"/>	Control voltage	iFMS	SC model
<input type="checkbox"/>	CT type	WR	0.5~60A 0.5~20A (iFMS)
<input type="checkbox"/>	Export code	H1	100:5 3CT combination type
<input type="checkbox"/>	Model name	HH	150:5 3CT combination type
<input type="checkbox"/>	Current Range	H2	200:5 3CT combination type
<input type="checkbox"/>	Output contact type	H3	300:5 3CT combination type
<input type="checkbox"/>	Control voltage	H4	400:5 3CT combination type
<input type="checkbox"/>	CT type	iFMZ	A a(97-98) :OC, a(57-58) : GR
<input type="checkbox"/>	Export code		C b(95-96), a(97-98) : OC.GR common
<input type="checkbox"/>	Model name	D	b(95-96) :OC, a(57-58) : GR
<input type="checkbox"/>	Current Range	B	24VAC/DC
<input type="checkbox"/>	Output contact type	U	100~240VAC/DC
<input type="checkbox"/>	Control voltage	W	Window type
<input type="checkbox"/>	CT type	H	Bottom hole type
<input type="checkbox"/>	Export code	T	Terminal type
<input type="checkbox"/>	Model name	Q	

EOCR-i Series (with communication)

Basic model : EOCR-i3DM (Z, S, 420) / iFDM (Z, S, 420)

Ordering

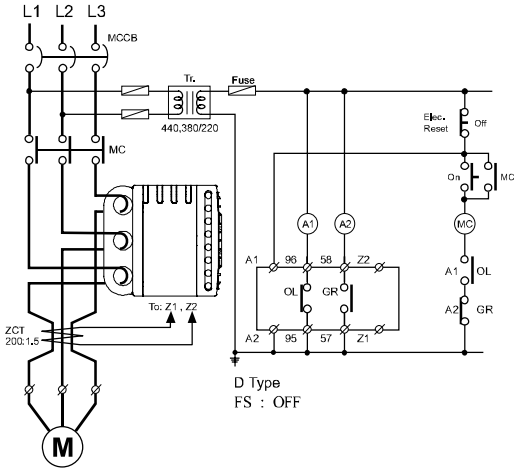
<p>Display</p> 	<p>EOCR-PDMQ</p>																		
<p>Cable connector</p> 	<p>CABLE - RJ45 - 001</p> <table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">RJ45</th> </tr> </thead> <tbody> <tr> <td rowspan="6">☐</td> <td rowspan="6">Connector type</td> <td>00H</td> <td>0.5 m</td> </tr> <tr> <td>001</td> <td>1 m</td> </tr> <tr> <td>01H</td> <td>1.5 m</td> </tr> <tr> <td>002</td> <td>2 m</td> </tr> <tr> <td>003</td> <td>3 m</td> </tr> <tr> <td>Others</td> <td>Custom made</td> </tr> </tbody> </table>			RJ45		☐	Connector type	00H	0.5 m	001	1 m	01H	1.5 m	002	2 m	003	3 m	Others	Custom made
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<p>Square 3 CT</p> 	<p>3CT - H1 - 100 - C</p> <table border="1"> <tbody> <tr> <td rowspan="5">☐</td> <td rowspan="5">CT ratio</td> <td>H1-100-C</td> <td>Square 3CT 100:5</td> </tr> <tr> <td>HH-150-C</td> <td>Square 3CT 150:5</td> </tr> <tr> <td>H2-200-C</td> <td>Square 3CT 200:5</td> </tr> <tr> <td>H3-300-C</td> <td>Square 3CT 300:5</td> </tr> <tr> <td>H4-400-C</td> <td>Square 3CT 400:5</td> </tr> </tbody> </table>	☐	CT ratio	H1-100-C	Square 3CT 100:5	HH-150-C	Square 3CT 150:5	H2-200-C	Square 3CT 200:5	H3-300-C	Square 3CT 300:5	H4-400-C	Square 3CT 400:5						
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<p>SR-CT</p> 	<p>SR-3CT - 100</p> <table border="1"> <tbody> <tr> <td rowspan="5">☐</td> <td rowspan="5">CT ratio</td> <td>S1</td> <td>100</td> <td>100:5</td> </tr> <tr> <td>SH</td> <td>150</td> <td>150:5</td> </tr> <tr> <td>S2</td> <td>200</td> <td>200:5</td> </tr> <tr> <td>S3</td> <td>300</td> <td>300:5</td> </tr> <tr> <td>S4</td> <td>400</td> <td>400:5</td> </tr> </tbody> </table>	☐	CT ratio	S1	100	100:5	SH	150	150:5	S2	200	200:5	S3	300	300:5	S4	400	400:5	
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<p>ZCT</p> 	<p>ZCT - 035</p> <table border="1"> <tbody> <tr> <td rowspan="3">☐</td> <td rowspan="3">Inner-diameter</td> <td>035</td> <td>35mm</td> </tr> <tr> <td>080</td> <td>80mm</td> </tr> <tr> <td>120</td> <td>120mm</td> </tr> </tbody> </table>	☐	Inner-diameter	035	35mm	080	80mm	120	120mm										
☐	Inner-diameter			035	35mm														
				080	80mm														
		120	120mm																

EOCR-DM2 Series

Basic model : EOCR-3DM2 (Z) / FDM2 (Z)

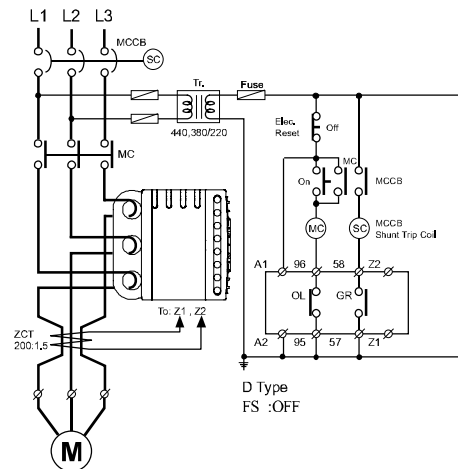
Typical wiring schematic (EOCR-3M2Z/FM2Z)

Three phase motor (D type, b-a output)

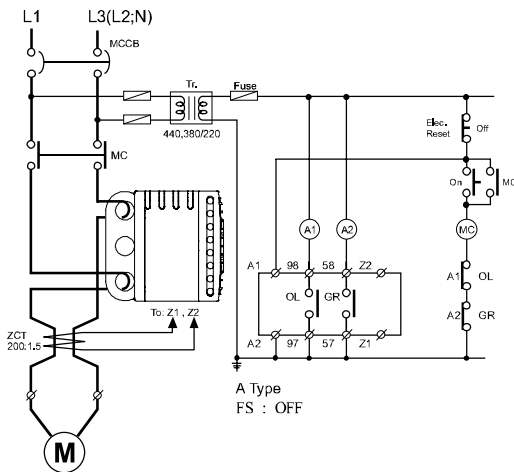


Three phase motor (D type)

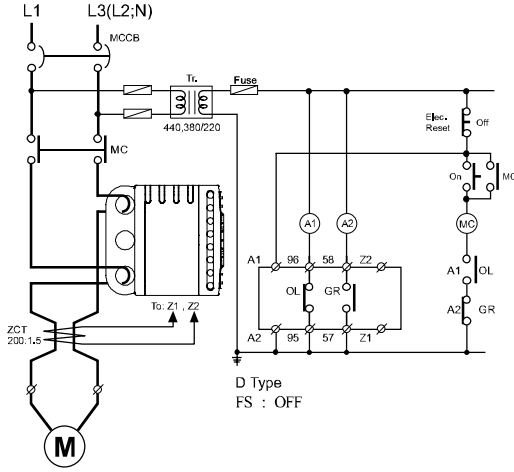
※ MCCB trip for GF



Single phase motor (A type)



Single phase motor (D type)



Cabling for a three phase motor



Cabling for a single phase motor

