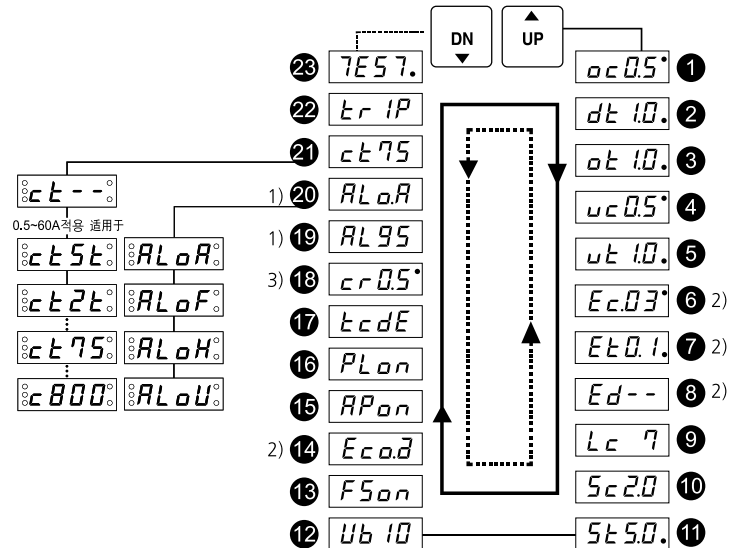


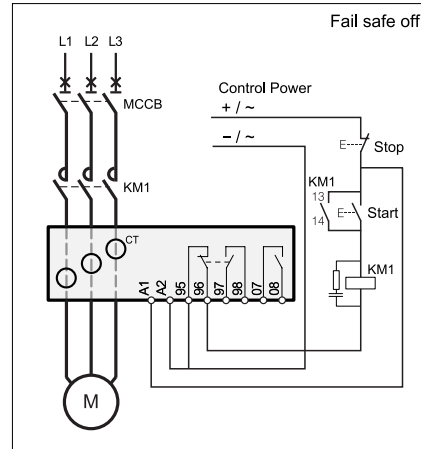
□ 기능설정순서 및 설정 메뉴 / Configuration Menu / 功能设定循序及设定菜单



- 1) 이 기능은 3DE, FDE 제품에만 있음 / included in 3DE, FDE / 此功能只有3DE, FDE产品才有
- 2) 이 기능은 3EZ, FEZ 제품에만 있음 / included in 3EZ, FEZ / 此功能只有3EZ, FEZ产品才有
- 3) 이 기능은 EOCR-3E420, FE420 제품에만 있음 / included in EOCR-3E420, FE420 / 此功能只有3E420, FE420产品才有

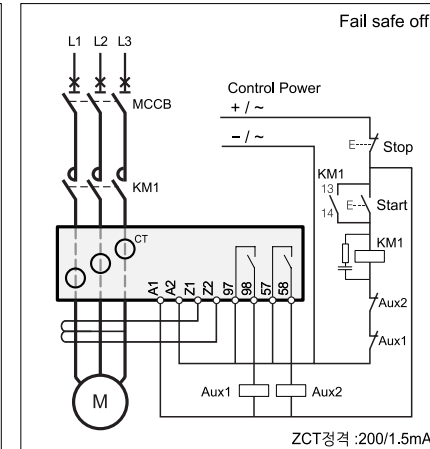
□ 결선도 / Wiring / 接线图

3DE / FDE



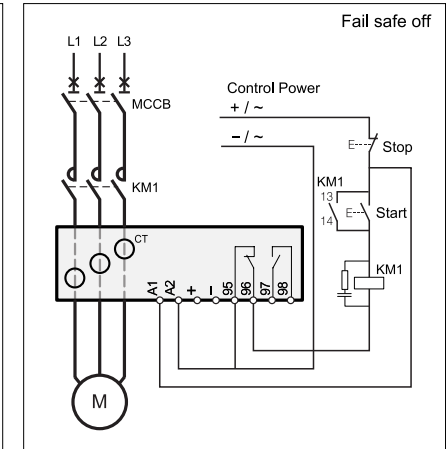
※(ALL)
제어전원은 절연된 전원 사용.
It is highly recommended to use an isolated control power.
控制电源, 请使用绝缘

3EZ / FEZ

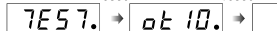


※ (3EZ, FEZ)
ZCT 2차 출력단자에는 접지금지.
Do NOT connect the ZCT secondary circuit to ground.
请勿接地ZCT的二次输出端子

3E420 / FE420



※ (3E420, FE420)
전류(4~20mA) 출력선은 반드시 실드선
[2C-1.25mm (최소)-VV-SB케이블]을 사용해야 함.
shield cable (e.g. 2C-min. 1.25mm - VV-SB)
must be wired for 4-20mA output signal.
电流(4~20mA)输出线必须为
屏蔽线[2C-1.25mm (最小)-VV-SB电线].

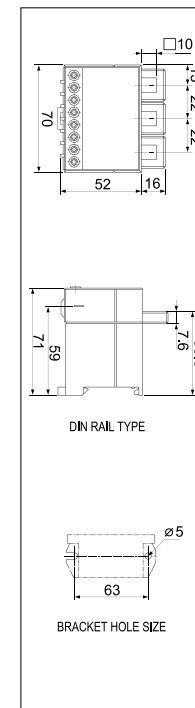
MODE	Description	Range	Default	MODE	Description	Range	Default
① 	과전류 설정 Over current threshold 设定过电流	0.5~60A (외부CT 사용시 800A) (Use to 800A with external CT)	10	⑬ 	Fail Safe(NVR)	on, oFF	oFF
② 	기동지연시간 Starting delay time 设定启动延迟时间	1~200sec , oFF	10	⑭ 	지락출력형태 Ground fault output type 选择接地输出接点	a또는 b접점 선택가능, 운전시 설정 불가함 Eco.b설정: 조작전원인가 후 57,58 Close접점이 됨. The contact type a or b is selectable During the EOCR's operation, any setting change is not applicable. Eco.b: The contact 57-58 closes only with the supply voltage applied. 可选择a或b接点, 运转时不可设定 Eco.b设定: 电源接通后接点为57,58Close.	a
③ 	과전류동작시간 Over current duration 设定过电流运作时间	0.5~0.9-1...30 sec(Definite) 1~30 class (Inverse)	5		⑮ 	역상 / 逆相 Reversed phase detection	on, oFF
④ 	저전류 설정 Under current threshold 设定底电流值	0.5~59A , oFF	--	⑯ 	결상 / 缺相 Phase loss	on, oFF	on
⑤ 	저전류 동작시간 Under current duration 设定底电流时运作时间	0.5~30sec	--	⑰ 	동작특성 Operation curve Over 11A: Use dE except that an external CT is installed dE(definite)/In(Inverse) 0.5~10A; 可选择dE/In 11A以上: 采用dE (采用外部CT时除外)	dE(definite),In(Inverse) 0.5~10A;dE/In 선택가능 11A이상 : dE사용 (외부CT사용시 제외) Over 11A: Use dE except that an external CT is installed dE(definite)/In(Inverse) 0.5~10A; 可选择dE/In 11A以上: 采用dE (采用外部CT时除外)	dE
⑥ 	지락 전류 설정 Ground fault threshold 设定接地过流	0.02~3A	3.0		⑱ 	출력범위설정 420Output range threshold 设定输出范围	4~20mA 전류상한치 설정 / 设定4~20mA电路上限值 Set a current at which 20mA current outputs through 4~20mA communication.
⑦ 	지락 동작시간 Ground fault trip delay time 设定接地故障保护时间	0.05~10sec	1	⑲ 	경보율설정 Alert threshold 设定警报率	50%~100%, oFF	100
⑧ 	지락 동작지연시간 EF Starting delay 设定接地运作延迟时间	oFF, 1~10sec	1	⑳ 	경보출력형태 Alert output type 警报输出形态	경보설정치 이상의 전류일때 07~08점점의 출력형태. The status of the contact 07-08 with the load over the alert setting 电流超越警告设定值时出现的07-08接点输出形态	A
⑨ 	기동 중 구속 설정 Stall threshold (multiples of oc) 启运之中堵转设定	0.5~10A : 과전류설정의 2~10배 Lc상한값 = 100/OC 설정값	10		㉑ 	CT변류비 설정 External CT ratio 设定CT电流比	Off-5t, 2t, 10-15-25-30-40-50-60-75-100-120 ~150-200-250-300-400-500-600-750-800
⑩ 	운전 중 구속 설정 Jam threshold (multiples of oc) 运转之中堵转设定	0.5~10A : 과전류설정의 1.5~5배 Sc상한값 = 100/OC 설정값	5	㉒ 	동작원인 확인 Cause of Trip 确认动作原因	1회에서 3회까지 확인 가능. The Cause of Trip are recorded in the lase three trips. 可确认至1~3次.	
⑪ 	운전 중 구속 동작시간 Jam fault duration 运转之中设定堵转时间	0.5,1~10sec , oFF	5		㉓ 	Test 운전중 Test로 전환안됨 运转中不能转换为Test模式	3sec 10sec  Test is Not applicable under normal operation
⑫ 	불평형 설정 Unbalance threshold 设定电流不平衡	5~50% , oFF	50				

OFF(Mode 표시 : - -)

□ 외형치수 / Dimensions / 外形尺寸

			
	(mm ²) AWG	(Inch) mm	(lb.In) N.m
	(1...2.5) 18...14	(5/16) 8	(7) 0.8

3DE/3EZ/3E420



FDE/FEZ/FE420

