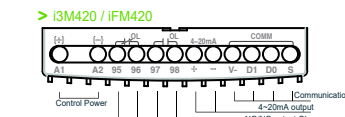


3090-3XX02-02



□ Description of terminal / 端子配置圖




*3●●2 沒有通信接點
Models with '2' at the end do NOT include communication terminal.

- 保持30cm(11.8英吋)
互垂直。
線方法如下。

-
- The diagram shows two digital signals over time. The 'SC Trip' signal (top) starts at a low level, transitions to a high level, and then returns to low. The 'OC Trip' signal (bottom) starts at a low level, transitions to a high level, and then returns to low. The 'O-TIME' label is positioned below the 'OC Trip' signal, indicating the duration of the high pulse.

☐ Diagnosis / 顯示診斷

<p>E2PROM error EEPROM錯誤</p>		<p>Operated by diagnosing E2PROM memory and if the fault persists after the power cycle, replace the product. 診斷EEPROM儲存器錯誤後動作 若重放操作電源後仍發生同樣問題則需要交換產品</p>
<p>Major Internal Fault 內部系統故障</p>	<p>iF●● / F●●2 Power LED is flashing fastly Power LED會快速閃光</p>	<p>Operated by diagnosing system faults internally if the fault persists after power cycle, replace the product. 診斷內部系統故障而動作 若重放操作電源後仍發生同樣問題則需要交換產品</p>
<p>(Only Enhanced Version) 電源保護電路破損</p>	<p>i3●● / 3●●2 FND display is flashing fastly FND會快速閃光</p>	<p>Tripped by detecting the breakdown of the power protection circuit. In this case, please replace the product 因檢查到電源保護電路破損而跳閘 需要交換產品</p>

A schematic diagram of a single-story building. The building has a flat roof and a central vertical axis labeled (1). The building is shown in cross-section, with a central core and two side wings. The roof is indicated by a horizontal line with diagonal hatching above it.

Notice.
Blade terminal width: less than 2.3mm
Cable: less than 2.0 SQMM.

Only available when the PDM is connected. PDM連接之時能確認	PT Temperature compensation 4400 4-20mA Current input → Calibration for 4mA
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如修改屬於該菜單的項目，產品動作將與標準參數不同，因此在修改前請務必與本公司聯繫進行確認。

Technical drawings of the W, H, and T series terminal blocks, showing front, side, and top views with dimensions.

W Series:

- Front View: Dimensions include 22.5, 22.5, 3-Ø12, 70, and 74.5.
- Side View: Dimensions include 83.8 and 56.3.
- Top View: Dimensions include 82, 95, and Ø4.5.

H Series:

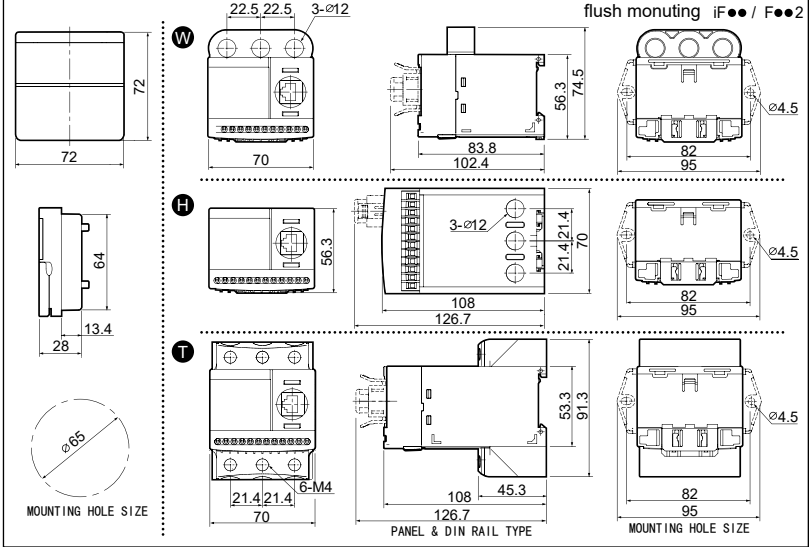
- Front View: Dimensions include 56.3, 108, 70, 21.4, 21.4, and 3-Ø12.
- Side View: Dimensions include 108 and 56.3.
- Top View: Dimensions include 82, 95, and Ø4.5.

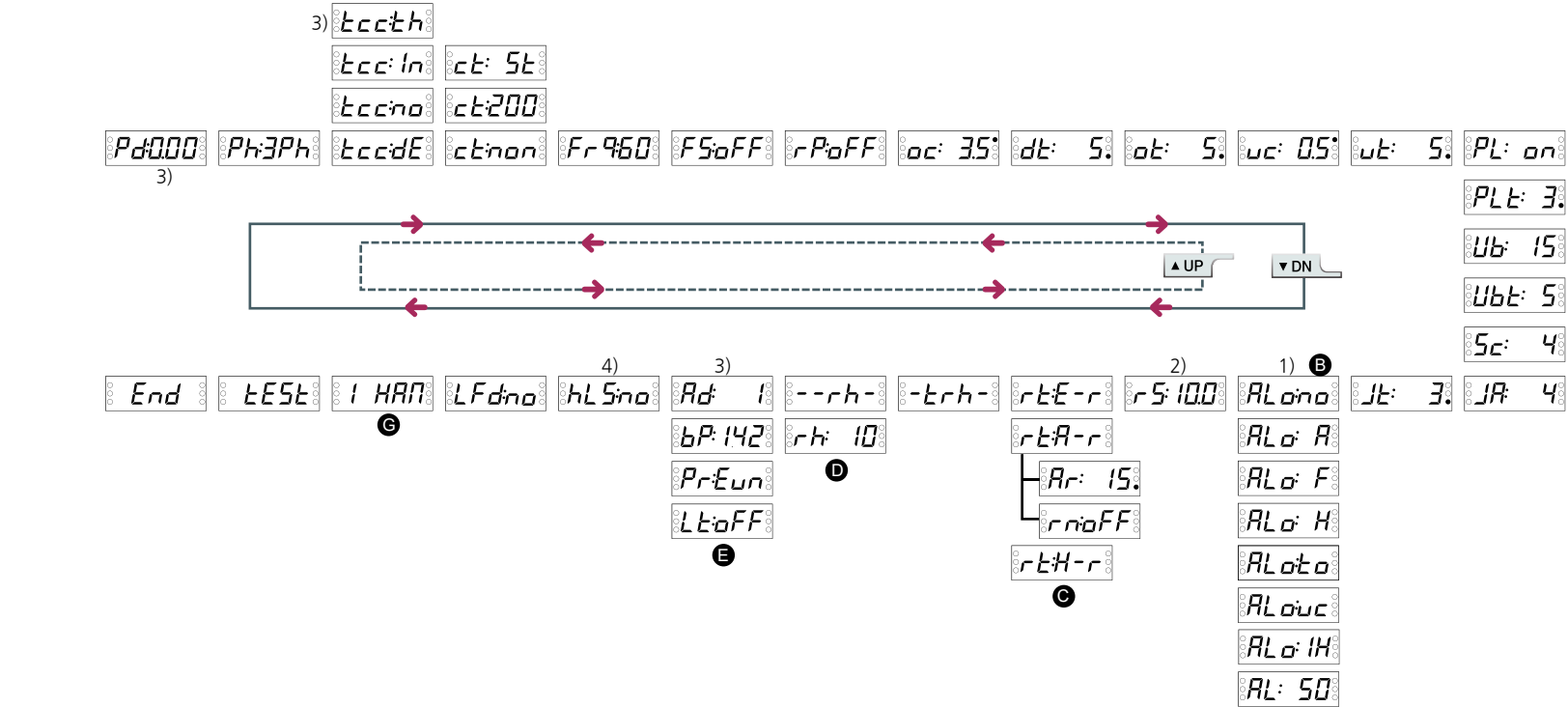
T Series:

- Front View: Dimensions include 21.4, 21.4, 6-M4, 70, 53.3, and 91.3.
- Side View: Dimensions include 108, 45.3, and 53.3.
- Top View: Dimensions include 82, 95, and Ø4.5.

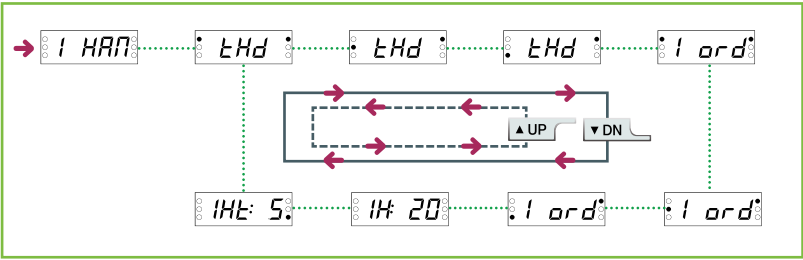
Panel & Din Rail Type: 35 x 7.6

Mounting Hole Size: 82 x 95





Harmonics Menu / 高週波菜單

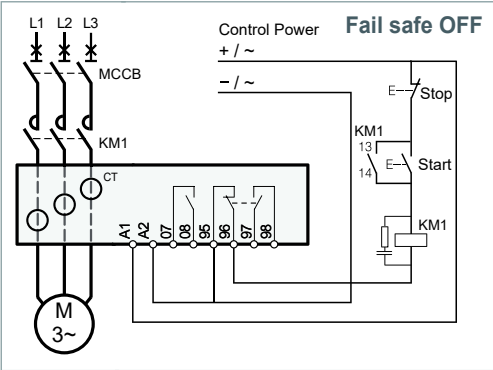


- 1) Applicable for 3DM2 / FDM2 / i3DM / iFDM 產品才有
- 2) Applicable for i3M420 / iFM420 產品才有
- 3) Applicable for i3DM / iFDM / i3M420 / iFM420 產品才有
- 4) Applicable for FDM2 / iFDM / iFM420 產品才有

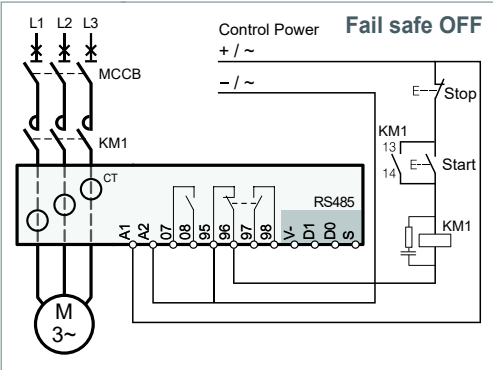
MODE	Description	Range	Default	MODE	Description	Range	Default
3) Pd000	Password 設定密碼	000 -999 (000 for no password setting)	000	rEtE-r	Reset type(manual,Electric,auto) 故障復歸形式(手動, 自動, 遠端復歸)	H-r (Manual reset only) E-r (Electric, Manual, Comm reset) A-r (Auto, Electric, Manual, Comm reset)	E-r
Ph3Ph	Select 3 phase or single phase 選擇單相、3相	3ph, 1ph	3ph	Ar 15	Auto reset timer 自動復歸時間	0.5 - 20n	5
tccde	Time-current characteristic 超負荷檢測方式	no, dE, In, th (none, definite, inverse, thermal inverse)	dE	rrioFF	Restart limitation 控制重啟	oFF,1 - 5	oFF
ctnon	設定外部CT比率 External CT ratio,select cuS for separate configuration of primary, secondary and multiple passes	Non, 2t, 5t ct:10~3000	non	trh	Total running hour 總運作時間	0 - 99999	trh
Fr960	System fundamental frequency 基本頻率	50,60	60	rh oFF	Running hour 顯示運作時間	0 - 99999	rh
FSoFF	Set/Reset Fail safe mode 選擇Fail Safe功能	On, oFF	oFF	rth oFF	Timeout alarm threshold of running hour 累積運作時間的警報輸出基準時間	0 - 9990	oFF
rPoFF	逆相 Reversed phase detection	On, oFF	oFF	Ad 1	通信 Communication (Modbus slave address)	1 - 247	1
oc 5	Over current threshold 設定過電流	dE: 0.5 - 80 In/th: 0.5 - 32	5	bP 192	Baud rate(bps) 通信速度	1.2, 2.4, 4.8, 9.6, 19.2, 38.4, auto	192
dt 5	Starting delay time 設定啟動延遲時間	0 - 200	5	3) PrEun	Communication Parity pr:no1 -> stop bit = 2 pr:non, pr:Eun, pr:odd -> stop bit = 1	non, no1, Eun(even), odd	Eun
ot 5	Over current duration 設定過電流運作時間	0.2 - 30	5	Lt oFF	Communication Loss operating time 通信中斷檢測基準時間	1 - 999	oFF
uc oFF	Under current threshold 設定低電流值	oFF, 0.5 - (oc -1)	oFF	4) hLSno	Enable disconnection detection of sPDM 檢測sPDM連接狀態	yE, no	no
ut 5	Under current duration 設定低電流時運作時間	0.5 - 30	5	LFdno	低頻運轉設置 Select Enable Low Frequency Detection	yE, no	no
PL on	欠相 Phase loss	On, oFF	on	1 HAr	Harmonics Menu 諧波菜單	1st~ 8th : 5% 9th~ 16th : 10%	
PLt 2	Phase loss duration 欠相動作時間	0.5 - 5	2	tHd	L1 Phase - Current Total Harmonic Distortion L1相電流總諧波失真率 (不可設定)		
Ub 50	Unbalance threshold 設定電流失衡	oFF, 10 - 50	50	tHd	L2 Phase - Current Total Harmonic Distortion L2相電流總諧波失真率 (不可設定)		
Ubt 5	Unbalance duration 不平衡動作時間	1 - 10	5	tHd	L3 Phase - Current Total Harmonic Distortion L3相電流總諧波失真率 (不可設定)		
Sc 4	Stall threshold (multiples of oc) 啟動之中堵轉設定	2~8times of oc setting if Sc x OC doesn't exceed 250A	4	I ord	L1 Phase - Fundamental Frequency Current L1相基本週波電流 (不可設定)		
JA 4	Jam threshold (multiples of oc) 運轉之中堵轉設定	1.5~8times of oc setting if JA x OC doesn't exceed 250A	4	I ord	L2 Phase - Fundamental Frequency Current L2相基本週波電流 (不可設定)		
Jt 5	Jam fault duration 運轉之中設定堵轉時間	0.2 - 10	5	I ord	L3 Phase - Fundamental Frequency Current L3相基本週波電流 (不可設定)		
B ALo no	Alert output type 警報輸出方式	no, A, F, H, to, uc, IH Connected PDM no, A, F, H, to, uc, tE,hU,Pt,42,IH	no	1H 20	Alarm Level for maximum Current THD of Three phases 在於3相電流THD之中最大的THD來設定報警層次	20 - 1000	20
1) AL 50	Alert threshold (% of oc) 設定警報率	50 - 100 (ALo F or H Selected)	50	1) IHt 5	Alarm duration for maximum Current THD of Three phases 3相電流THD中最大THD的報警操作時間設置，不適用於啟動時間	1 - 30	5
2) rS 100	4-20 Output range threshold 4-20設定輸出範圍	0.5 - 80	10	tEst	Output test 輸出按點測試	Press RESET to reset it from a trip after the test is complete. 結束後按RESET按鈕就復歸，運轉中不能轉換為Test模式	
				End	End of output test 完成輸出按點測試		

Wiring / 接線圖

3DM2 / FDM2



i3DM / iFDM



i3M420 / iFM420

