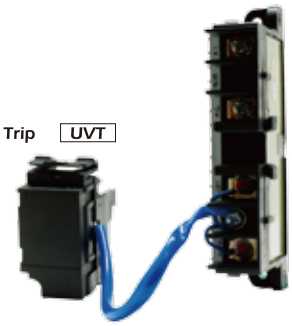
電壓跳脫裝置 Shunt Trip SHT

欠電壓跳脫裝置 Under Voltage Trip UVT



## 式編號說明

**機種別**

TCB=掀蓋式

**級數**

2=2P
3=3P
4=4P

TCB 125L5 3 125 S1

**基本標稱**

| | |
|---|---|
| L5 | 400S1 |
| S1 | 400S3 |
| H1 | 400H1 |
| H2 | 400H2 |
| L5 | 400H4 |
| S1 | 800S1 |
| H1 | 800H1 |
| H2 | 800H2 |
| H4 | 800H4 |

**額定電流**

| | | | |
|---|---|---|---|
| 015 | 15A | 200 | 200A |
| 020 | 20A | 225 | 225A |
| 030 | 30A | 250 | 250A |
| 040 | 40A | 300 | 300A |
| 050 | 50A | 350 | 350A |
| 060 | 60A | 400 | 400A |
| 075 | 75A | 500 | 500A |
| 100 | 100A | 600 | 600A |
| 125 | 125A | 630 | 630A |
| 150 | 150A | 700 | 700A |
| 175 | 175A | 800 | 800A |

**附件**

| | | | |
|---|---|---|---|
| □ | 空白無附件 | E | ALT+UVT |
| L | ALT | F | ALT+AUX |
| S | SHT | G | SHT+AUX |
| | S1=110V | H | UVT+AUX |
| | S2=230V | I | ALT+SHT+AUX |
| | S3=380V | | I1=110V |
| | S4=440V | | I2=220V |
| | S5=DC24V | | I3=380V |
| U | UVT | | I4=440V |
| | U1=110V | | I5=DC24V |
| | U2=220V | | (電壓為SHT規格) |
| | U3=380V | J | ALT+UVT+AUX |
| | U4=440V | K | AUX(左)+AUX(右) |
| X | AUX | M | ALT(左)+ALT(右) |
| D | ALT+SHT | | |

CB125L5-3125L 表示TCB125L5：3P, 有安裝"ALT"附屬品
CB125L5-3125S1 表示TCB125L5：3P, 有安裝"SHT110V附屬品

## 規格一覽表

| 框架容量 (AF) | | 125 | | | 125 | | |
|---|---|---|---|---|---|---|---|
| 型式 | | TCB-125L5 | | | TCB-125S1 | | |
| 極數 | | 2 | 3 | 4 | 2 | 3 | 4 |
| 額定電流(A) 基準周圍溫度40℃ | | 15 40 75<br>20 50 100<br>30 60 125 | | | 15 40 75<br>20 50 100<br>30 60 125 | | |
| 額定絕緣電壓 Ui (VAC) | | | | | | | |
| 額定耐衝擊電壓 Uimp (kV) | | | | | | | |
| 額定啟斷容量 (kA) | | | | | | | |
| CNS 2931<br>JIS C8370<br>非對稱值/對稱值<br>Asym／sym | AC *550V *600V | 10 / 10 | | | 18 / 15 | | |
| | AC 440V *480V | 18 / 15 | | | 30 / 25 | | |
| | AC 380V | 25 / 22 | | | 35 / 30 | | |
| | AC 220V *240V | 35 / 30 | | | 60 / 50 | | |
| IEC 60947-2<br>EN 60947-2<br>CNS 14816-2<br>Icu/Ics | AC *500V | 10 / 5 | | | 12 / 6 | | |
| | AC 440V | 15 / 7.5 | | | 25 / 13 | | |
| | AC *415V | 15 / 7.5 | | | 25 / 13 | | |
| | AC 380V | 22 / 11 | | | 30 / 15 | | |
| | AC 220V | 30 / 15 | | | 50 / 25 | | |
| DC | *250V | 10 | | | 15 | | |
| | *125V | 15 | | | 20 | | |
| 外型尺寸 (mm) | a | 60 | 90 | 120 | 60 | 90 | 120 |
| | b | 155 | | | 155 | | |
| | c | 61 | | | 61 | | |
| | ca | 92 | | | 92 | | |
| | aa | — | 30 | | — | 30 | |
| | bb | 132 | | | 132 | | |
| 參考重量 (kg) | | 0.8 | 1.2 | 1.5 | 0.8 | 1.2 | 1.5 |
| 標準功能及特點 | | | | | | | |
| 過載跳脫方式 | | | | | | | |
| 跳脫按鈕 | | | | | | | |
| 接線方式 | | | | | | | |
| 可加裝之附屬裝置 | | | | | | | |
| 內部配件 | 電壓跳脫裝置 SHT | ● | | | ● | | |
| | 欠電壓跳脫裝置 UVT | ● | | | ● | | |
| | 輔助開關 AUX | ● | | | ● | | |
| | 警報開關 ALT | ● | | | ● | | |
| | 輔助+警報開關 AUX+ALT | ● | | | ● | | |
| 外部配件 | 電動操作機構 CD | — | ●② | | — | ●② | |
| | 外部操作把手 FG | — | ●③ | | — | ●③ | |
| | 輔助把手 EHA | — | | | — | | |
| | 端子板 TBB | — | | | — | | |
| | 端子隔離板 TQQ | ●① | | | ●① | | |
| | 端子保護蓋 XPR | ●② | | — | ●② | | — |
| 認證 | BSMI 標檢局商品驗證 | ● | | | ● | | |
| | CNS 正字標記 | ● | | | ● | | |
| | CE 自我宣告 | ● | | | ● | | |
| | VPS自願性產品驗證 | — | | | — | | |

註：●：適用　—：不適用　①：標準附件　②：非標準品，屬期貨

"*" 標明之電壓值非台灣地區系統電壓，其相對應知啟斷容量僅供參考。

# eries

| 125 | 125 | 250 | 250 | 250 | 250 | 250 | 125 | 400 |
|---|---|---|---|---|---|---|---|---|
| TCB-125H1 | TCB-125H2 | TCB-250L5 | TCB- 250S1 | TCB-250H1 | TCB-250H2 | TCB-250H4 | TCB-400S1 | TCB-40 |
| 3 4 | 3 4 | 2 3 4 | 2 3 4 | 3 4 | 3 4 | 3 4 | 2 3 4 | 2 3 |
| 15 40 75 | 15 40 75 | 250 350 | 125 200 | 125 200 | 125 200 | 30 60 125 200 | 250 350 | 250 3 |
| 20 50 100 | 20 50 100 | 300 400 | 150 225 | 150 225 | 150 225 | 40 75 150 225 | 300 400 | 300 4 |
| 30 60 125 | 30 60 125 | | 175 250 | 175 250 | 175 250 | 50 100 175 250 | | |
| 690 | | | | | | | | |
| 8 | | | | | | | | |
| | | | | | | | | |
| 30 / 25 | 40 / 35 | 10 / 10 | 18 / 15 | 30 / 25 | 40 / 35 | 75 / 65 | 20 / 18 | 22 / 2 |
| 50 / 42 | 60 / 50 | 18 / 15 | 30 / 25 | 50 / 42 | 60 / 50 | 105 / 90 | 30 / 25 | 35 / 3 |
| 60 / 50 | 75 / 65 | 25 / 22 | 35 / 30 | 60 / 50 | 75 / 65 | 105 / 90 | 35 / 30 | 50 / 4 |
| 100 / 85 | 120 / 100 | 35 / 30 | 60 / 50 | 100 / 85 | 120 / 100 | 150 / 125 | 45 / 40 | 75 / 6 |
| 25 / 13 | 35 / 18 | 10 / 5 | 12 / 6 | 25 / 13 | 35 / 18 | 65 / 33 | 18 / 9 | 22 / 1 |
| 42 / 21 | 50 / 25 | 15 / 7.5 | 25 / 13 | 42 / 21 | 50 / 25 | 90 / 45 | 25 / 13 | 30 / 1 |
| 42 / 21 | 50 / 25 | 15 / 7.5 | 25 / 13 | 42 / 21 | 50 / 25 | 90 / 45 | 25 / 13 | 30 / 1 |
| 50 / 25 | 65 / 33 | 22 / 11 | 30 / 15 | 50 / 25 | 65 / 33 | 90 / 45 | 30 / 15 | 42 / 2 |
| 85 / 43 | 100 / 50 | 30 / 15 | 50 / 25 | 85 / 43 | 100 / 50 | 125 / 63 | 40 / 20 | 65 / 3 |
| 10 | 15 | 10 | 15 | — | — | — | 10 | 15 |
| 15 | 20 | 15 | 20 | — | — | — | 15 | 20 |
| 90 120 | 90 120 | 105 105 140 | 105 105 140 | 105 140 | 105 140 | 105 140 | 140 140 185 | 140 140 |
| 155 | 155 | 165 | 165 | 165 | 165 | 165 | 257 | 257 |
| 83 | 83 | 68 | 68 | 83 | 83 | 83 | 98 | 98 |
| 113 | 113 | 103.5 | 103.5 | 116 | 116 | 116 | 153 | 153 |
| 30 60 | 30 60 | 35 | 35 | 35 70 | 35 70 | 35 70 | 45 | 45 |
| 131 | 131 | 135.5 | 135.5 | 126 | 126 | 126 | 214 | 214 |
| 1.5 2.0 | 1.5 2.0 | 1.45 1.65 2.1 | 1.45 1.65 2.1 | 2.0 2.6 | 2.0 2.6 | 2.5 3.3 | 5.0 5.8 7.4 | 5.0 5.8 |
| | | | | | | | | |
| 熱動—電磁 | | | | | | | | |
| ● | | | | | | | | |
| 壓著端子 | | | | | | | | |
| | | | | | | | | |
| ● | ● | ● | ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● | ● | ● | ● |
| ●② | ●② | ● | ●② | ●② | ●② | ●② | ●② | ●② |
| ●③ | ●③ | — ●③ | ●③ | ●③ | ●③ | ●③ | ●② | ●③ |
| — | — | — | — | — | — | — | ● | ● |
| — | ● | ● | ● | ●② | ●② | ●① | ●① | ●① |
| ●① | ●① | ●① | ●① | ●① | ●① | ●① | ●① | ●① |
| ●② — | ●② — | ●② — | ●② — | ●② — | ●② — | ●② — | ●② — | ●② |
| ● | ● | ● | ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● | ● | ● | ● |
| ● | ● | — | ● | ● | ● | ● | — | ● |

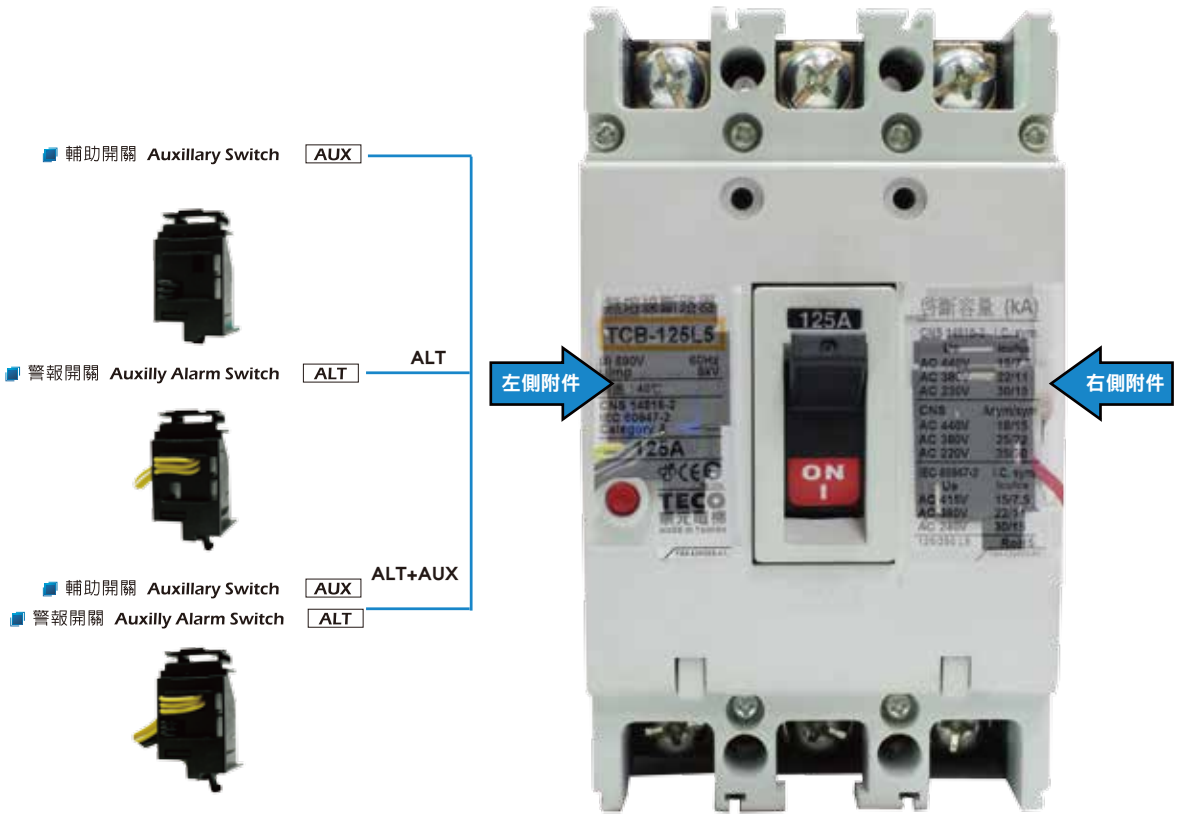
貨需提前下訂。　③：FG符合IP-41防塵、防水等級。

。

TECO

| | 400 | | 400 | | 400 | | 800 | | 800 | | 800 | | 800 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0S3 | TCB-400H1 | | TCB-400H2 | | TCB-400H4 | | TCB-800S1 | | TCB-800H1 | | TCB-800H2 | | TCB-800H4 | |
| 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 |
| 50<br>00 | 250 350<br>300 400 | | 250 350<br>300 400 | | 250 350<br>300 400 | | 500 700<br>600 800<br>630 | | 500 700<br>600 800<br>630 | | 500 700<br>600 800<br>630 | | 500 700<br>600 800<br>630 | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 20 | 30 / 25 | | 40 / 35 | | 75 / 65 | | 22 / 20 | | 30 / 25 | | 40 / 35 | | 75 / 65 | |
| 30 | 50 / 42 | | 60 / 50 | | 105 / 90 | | 30 / 25 | | 50 / 42 | | 60 / 50 | | 105 / 90 | |
| 42 | 60 / 50 | | 75 / 65 | | 105 / 90 | | 35 / 30 | | 60 / 50 | | 75 / 65 | | 105 / 90 | |
| 5 | 100 / 85 | | 120 / 100 | | 150 / 125 | | 60 / 50 | | 100 / 85 | | 120 / 100 | | 150 / 125 | |
| 11 | 25 / 13 | | 35 / 18 | | 65 / 33 | | 25 / 13 | | 35 / 18 | | 35 / 18 | | 65 / 33 | |
| 15 | 42 / 21 | | 50 / 25 | | 90 / 45 | | 25 / 13 | | 42 / 21 | | 50 / 25 | | 90 / 45 | |
| 15 | 42 / 21 | | 50 / 25 | | 90 / 45 | | 25 / 13 | | 42 / 21 | | 50 / 25 | | 90 / 45 | |
| 21 | 50 / 25 | | 65 / 33 | | 90 / 45 | | 30 / 15 | | 50 / 25 | | 65 / 33 | | 90 / 45 | |
| 33 | 85 / 43 | | 100 / 50 | | 125 / 63 | | 50 / 25 | | 85 / 43 | | 100 / 50 | | 125 / 63 | |
| | — | | — | | — | | 15 | | 40 | | 40 | | — | |
| | — | | — | | — | | 20 | | — | | 40 | | — | |
| 185 | 105 | 140 | 140 | 185 | 140 | 185 | 210 | 280 | 210 | 280 | 210 | 280 | 210 | 280 |
| | 257 | | 257 | | 257 | | 275 | | 275 | | 275 | | 275 | |
| | 98 | | 98 | | 98 | | 97.5 | | 97.5 | | 97.5 | | 97.5 | |
| | 153 | | 153 | | 153 | | 155 | | 155 | | 155 | | 155 | |
| | 35 | 70 | 45 | | 45 | | 70 | | 70 | | 70 | | 70 | |
| | 215 | | 215 | | 215 | | 243 | | 243 | | 243 | | 243 | |
| 7.4 | 6.0 | 7.6 | 6.0 | 7.6 | 6.0 | 7.6 | 10 | 13 | 11.5 | 15 | 11.5 | 15 | 11.5 | 15 |
| 熱動—電磁 | | | | | | | | | | | | | | |
| ● | | | | | | | | | | | | | | |
| 端子板 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | ● | | ● | | ● | | ● | | ● | | ● | | ● | |
| | ● | | ● | | ● | | ● | | ● | | ● | | ● | |
| | ● | | ● | | ● | | ● | | ● | | ● | | ● | |
| | ● | | ● | | ● | | ● | | ● | | ● | | ● | |
| | ● | | ● | | ● | | ● | | ● | | ● | | ● | |
| ② | ●② | | ●② | | ●② | | ●② | | ● | | ● | | ●② | |
| ③ | ●③ | | ●② | | ●③ | | ●②③ | | ● | | ● | | ●②③ | |
| | ●② | | ●② | | ●② | | ● | | ● | | ● | | ● | |
| ① | ●① | | ●① | | ●① | | ●② | | ●② | | ●② | | ●② | |
| ① | ●① | | ●① | | ●① | | ●① | | ●② | | ●② | | ●① | |
| — | ●② | — | ●② | — | ●② | — | — | | — | | — | | — | |
| | ● | | ● | | ● | | ● | | ● | | ● | | ● | |
| | ● | | ● | | ● | | ● | | ● | | ● | | ● | |
| | ● | | ● | | ● | | ● | | ● | | ● | | ● | |
| | ● | | ● | | ● | | — | | ● | | ● | | ● | |

# 掀蓋式無熔線斷路器 特點介紹




## 東元的TCB系列-掀蓋式無熔線斷路器，應用於商業和工業電氣應用，提供額定電流15-800A之安全可靠產品，適用於配電迴路保護人身、財產及避免短路和過載的衝擊。

- 符合包括IEC和CNS在內的標準，TCB保證了東元的高可靠性和品質，同時為對成本敏感的盤廠和機械廠提供經濟的斷路器。
- 高安全性，外殼採用高強度工程塑膠
- 附屬裝置齊全(AUX/ALT/SHT/UVT)，隨心搭配、滿足不同的需求
- 新一代可掀式設計-附件安裝方便 ,客戶可自行打開前蓋安裝附件
- 產品符合IEC、CNS標準

## 型式