

CAM SWITCHES

切換開關產品



龍聲電機株式會社
YongSung Electric Co., Ltd.

台灣總代理  世安企業股份有限公司 電話：(02)8912-1230

地址：新北市新店區寶橋路 235 巷 130 號 3 樓之 2

CAM SWITCHES

(AC250V-10A,30A / DC125V-20A)



For use on a flat surface of a type 1 enclosure
File No. E242380



KSC 4519
No. 8406

| Features | 產品特色

- All contact point of our cam switches are complete seal inside the main body and can add terminal safety cover(option).
- Special design the contacts of switches for current meter, when switching, contacts will keep close till switch process finished. By this design, we can protect CT perfectly.
- Contacts of cam switches are all perfect alignment and with perfect cut off capability, use springs to provide high stress at the closed cotnacts, and all springs are isolated from power.
- Provide spring type automatic return 、pull out operate model with obvious close/trip indicators for CB control.
- 所有切換開關產品之接點部分均完全的密封在本體之中，並標配接線端子安全保護蓋。
- 針對電流表用開關之特殊設計，在接點切換過程中，原接點斷開前保持接通(具動作重疊)，藉此可對CT進行完善的保護。
- 開關的接點均完美對正且具自清動作，使用彈簧來使閉合接點保持高壓力，且彈簧不帶電。
- 提供自動彈簧複歸、拉出操作型式開關供斷路器操作使用，並具備清楚的投入/跳脫指示。

| Part Materials | 本體材質

零件(Part)	材質(Materials)
本體(Body)	耐熱ABS樹脂 (Heat resistance ABS Resin)
凸輪(CAM)	縮醛樹脂 (Acetal Resin)
接點(Contact)	銀氧化鎘合金 (Silver-cadmium oxide alloy)
端子(Terminal)	黃銅 (Brass)
螺栓(Bolt)	碳鋼 (Carbon Steel)
彈簧(Spring)	不鏽鋼 (Stainless steel)

| Performance Summary | 性能總攬

壽命 (Lifetime)	機械壽命 (Mechanical)	above 500,000 times (switching freq : 20times/min.)
	電氣壽命 (Electrical)	above 100,000 times (switching freq : 20times/min.)
絕緣阻抗 (Insulation resistance)		above 100MΩ (DC 500V. Meg)
接點阻抗 (Contact resistance)		below 50mΩ (initial value)
耐受電壓 (Withstand voltage)		AC 2,500V/min (50~60Hz)
震動耐受度 (Withstand vibration)	Endurance	10~55Hz, 1.5mm
	Malfunction	10~15Hz, 1.0mm
衝擊耐受度 (Withstand impact)	Endurance	30g (300 ㊦)
	Malfunction	10g (100 ㊦)
操作力道 (Operating force)		560g
環境溫度 (Ambient temperature)		-25℃ ~ +40℃
相對濕度 (Relative humidity)		45 ~ 85%

| Contact Rating - DNC 10A | 接點容量 - DNC 10A

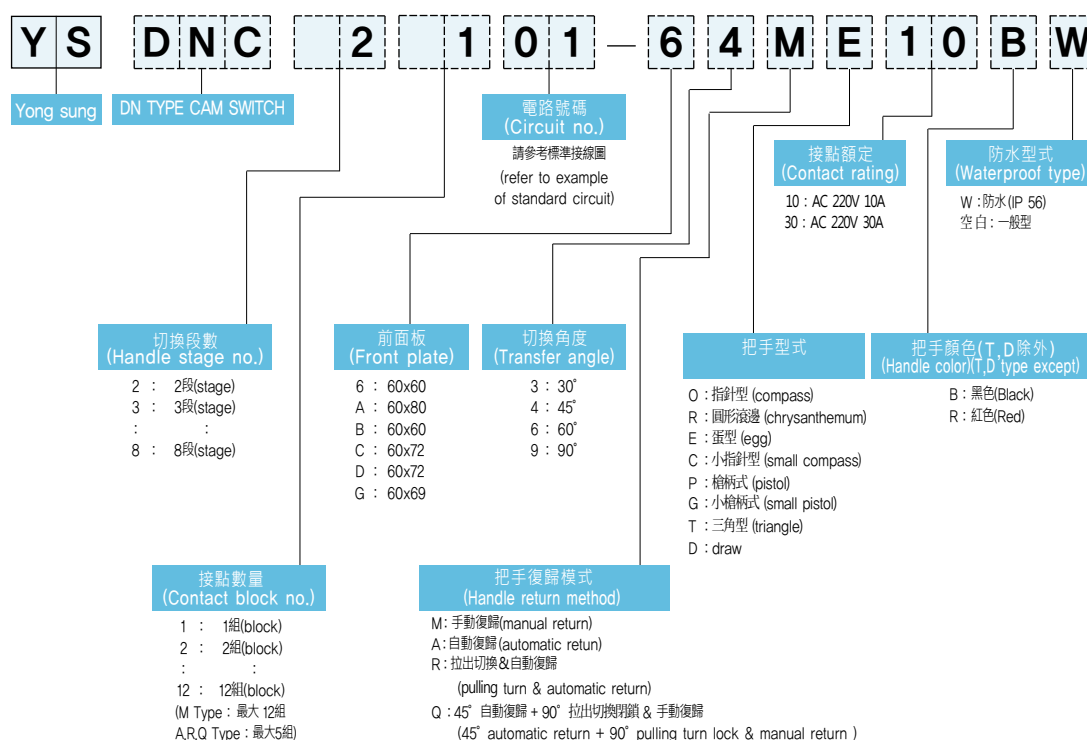
額定絕緣電壓 (Rating insulation voltage)			AC600V, DC250V		
額定傳導電流 (Rating conductive current)			20A		
AC	額定電壓 (Rated votage)		110~120V	220~240V	380~440V
	額定電流 (Rated current)	電阻性負載 (Resistive load)	20A	10A	6A
		電感性負載 (Inductive load)	6.6A	3.3A	1.65A
DC	額定電壓(Rated votage)		110V	125V	220V
	額定電流 (Rated current)	電阻性負載 (Resistive load)	5A	4.4A	2.5A
		電感性負載 (Inductive load)	1A	0.9A	0.5A

| Contact Rating - DNC 30A | 接點容量 - DNC 30A (定製品)

額定絕緣電壓 (Rating insulation voltage)			AC600V, DC250V		
額定傳導電流 (Rating conductive current)			35A		
AC	額定電壓 (Rated votage)		110~120V	220~240V	380~440V
	額定電流 (Rated current)	電阻性負載 (Resistive load)	30A	30A	15A
		電感性負載 (Inductive load)	20A	10A	5A
DC	額定電壓(Rated votage)		110V	125V	220V
	額定電流 (Rated current)	電阻性負載 (Resistive load)	10A	8.8A	5A
		電感性負載 (Inductive load)	2.5A	2.1A	1.2A

Inductive load ----- $\cos\phi=0.4$, $T_{0.95} = 300\text{ms}$; Applied standard) ----- KSC 4519, IEC 60947-5-1

| Type Classification Diagram - DNC 10A, 30A | 訂購碼

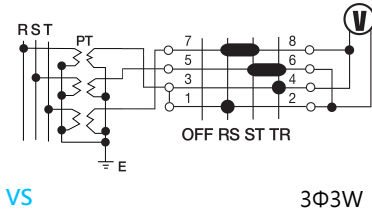


※ 防水型 (W : IP56) 為客製化訂製產品 (Water proof type (W : IP56) is manufactured by order.)

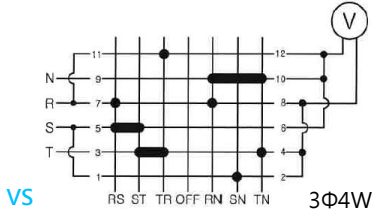
※ 把手復歸模式為 A,R,Q 時最大可裝5組接點 (Handle return A,R,Q type is limited to 5 contact block.)

Example of Basic Circuit (Voltmeter, amperemeter circuit, CS) | 參考基本接線圖

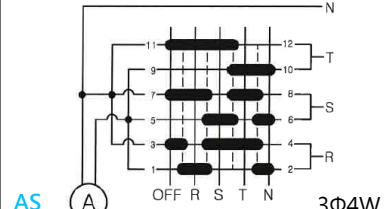
C4210 (voltmeter, 3Ø 3PT circuit)



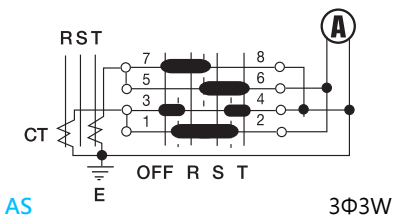
C7303 (voltmeter, 3Ø 3PT circuit)



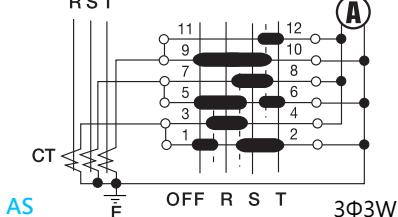
C5330 (amperemeter, 3Ø 3CT circuit)



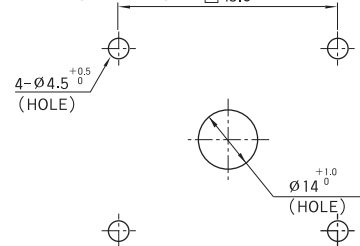
C4213 (amperemeter, 3Ø 2CT circuit)



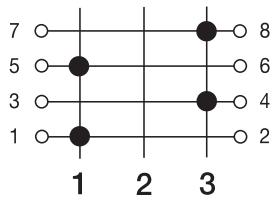
C4307 (amperemeter, 3Ø 3CT circuit)



開孔尺寸 (60×60)

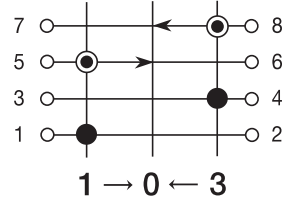


C3205

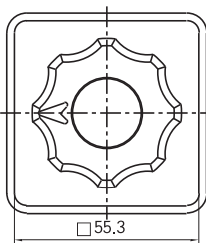


C3213

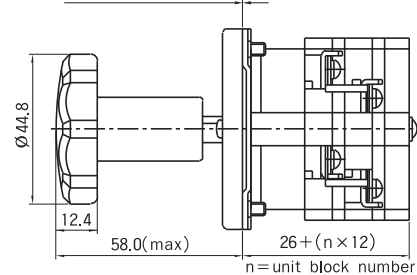
● 殘留接點(Residual contact)



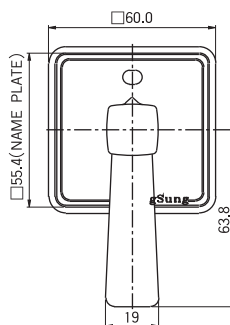
Shape (60×60 Type)



0.8~6.0 (PANEL THICKNESS)



Shape (60×60 Type)



0.8~6.0 (PANEL THICKNESS)

