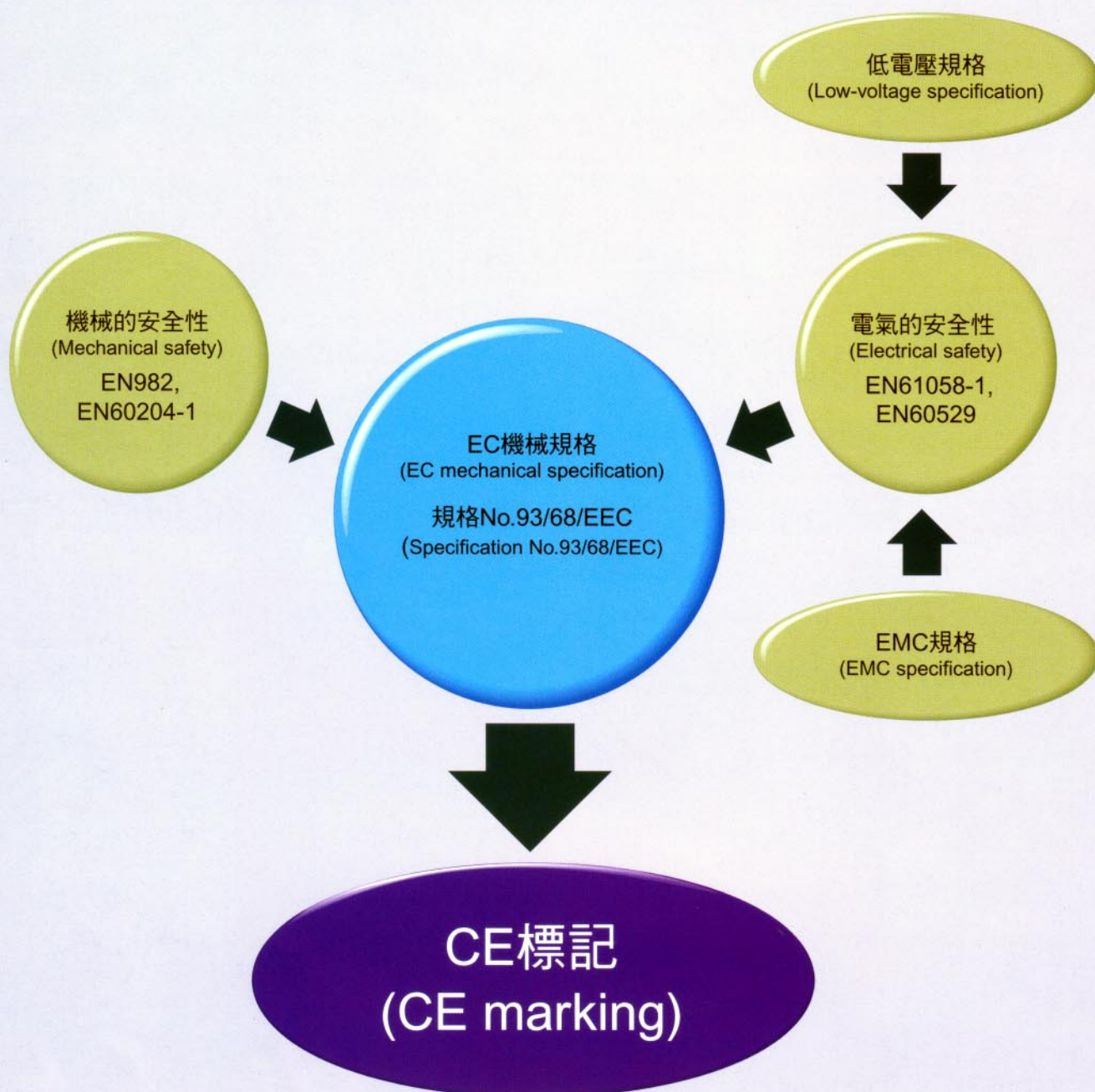


ACT Pressure Switch CE Type



產品符合歐盟成員國產品安全標準認證

On-specification product for the European Safety Standard



★ CE標記為符合EC規格之標記並符合EC規格之證明。
出口至歐洲須有CE標記表示。

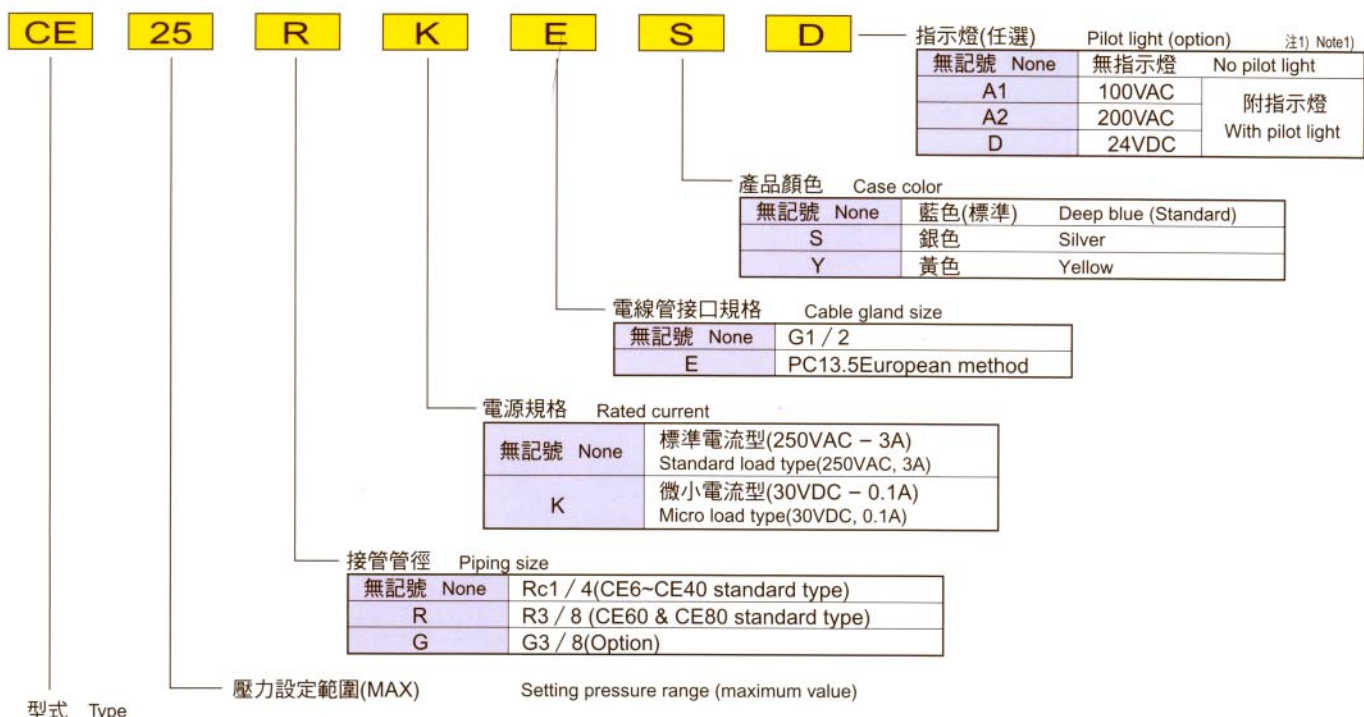
★ This CE-marking is the term used to denote on-specification products for the EC Standards,
which is necessary for the products exported to European countries.

特性 Features

- 取得歐盟成員國CE標記安全標準認證。
On-specification products for the European Safety Standard.
- 體積小,重量輕。
Miniaturized lightweight design.
- 採用新研製的密封件使產品重覆性穩定性倍增。
Newly developed seal provides an outstanding stable performance for a high-frequency operation.
- 採用新研製的開關接觸配件使產品更耐用。
Newly developed lever promises extended lifetime.
- 俱備IP66防塵防水的防護絕緣標準。
Dustproof and Waterproof structure.(IP66)
- 附有壓力刻度使壓力設定作業更容易。
Simplified setting scale provides an easy setting operation.
- 採用免螺釘的接線端子座使配線作業更簡便。
Screwless terminal board simplifies the wiring work.
- 附有阻尼裝置不需另外安裝。
Built-in damper necessitates no external damper installation.
- 取得美國UL安全標準認證。
Acquisition of UL standard qualification.

型式說明 Operation Guide

型式記號 Model Number Designation



注1) 指示燈的DIN端子以glow lamp 或 LED作對應。 Note1) The pilot light is built in a piece of DIN terminal and shall be a glow lamp or LED.

產品規格 Specifications

項目 Item	型式 Type	CE6	CE16	CE25	CE40	CE60	CE80
壓力設定範圍 (MPa) Set pressure range		1~6	2~16	3~25	4~40	6~60	8~80
保證耐壓力 (MPa) Proof pressure		50			80	120	
接管管徑 Piping size		Rc1 / 4				R3 / 8	
歐洲EN規格 EN Reference standard		EN 規格.....EN982, EN60204-1, EN61058-1, EN60529 EN Standard.....EN982, EN60204-1, EN61058-1, EN60529					
UL認證 UL standard		UL 認證 (508) E212029 UL Standard (508) E212029					
防塵・防水性 Dustproof and waterproof property		IP66 (DIN端子接續時・・IP65) (With DIN terminal・・IP65)					
重覆性精度 Repeat accuracy		±2%F.S.					
最高使用頻率 Maximum frequency of operation		60次 / 分 (電氣的) 60 cycles/min (Electrical)					
電源規格 Rated current		250VAC,3A; 125VAC,5A					
機械使用壽命 Mechanical lifetime		1,000萬次以上 More than 10,000,000 cycles.					
電氣使用壽命 Electrical lifetime		200萬次以上(參照電氣壽命曲線) More than 2,000,000 cycles. See electrical lifetime curve.					
作動油種類 Hydraulic Fluids		相當於ISO VG32 或46的乾淨石油基油。 (選用不燃性流體時、請向本廠詢問) Clean Petroleum base hydraulic oil equivalent to ISO VG32 and 46. (Contact us for the use of fire-resistant hydraulic fluid.)					
差壓特性 Differential pressure		差壓固定(參照差壓表) Fixed differential pressure type (See differential pressure diagram.)					
耐衝擊 Shock resistance		最大300m / S ² (約30G) Maximum 300m/s ² (about 30 G)					
耐震動 Vibration resistance		10~50Hz 複震數1.5 10~50Hz Composite amplitude 1.5					
環境溫度 Room temperature		-20~+80℃ (於低溫時以無結露為條件) -20- +80℃, on condition that there is no bedewing at a low-temperature range.					
安裝方法 Mounting position		無特定 Free					
重量 Weight		550g				590g	

接點特性 Electrical Requirements at Contact Points

接點形式 Type of contact : SPDT

接點形狀 Shape of contact : Rivet

開閉能力 Make and break rating

形式 Type SS-5 標準電流型 Standard load type

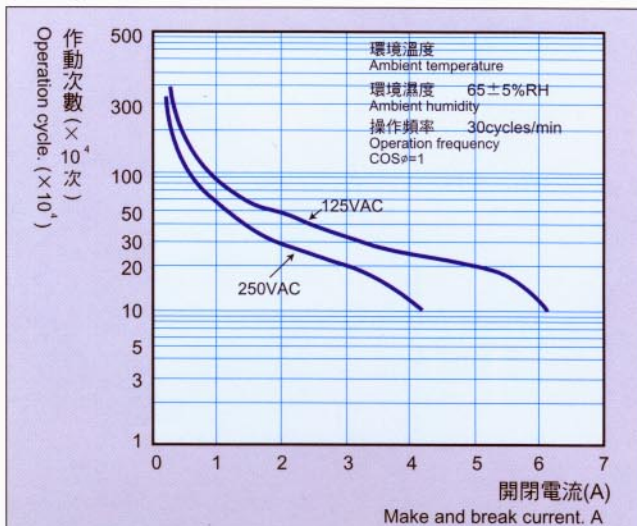
電源 Current	電壓 Voltage	電流 Resistance
AC	125 VAC	5 A
	250 VAC	3 A
DC	30 VDC	3 A
	125 VDC	0.4 A

形式 Type SS-01 微小電流型 Micro load type

電源 Current	電壓 Voltage	電流 Resistance
AC	125 VAC	0.1 A
DC	30 VDC	0.1 A

電氣工作壽命曲線 Electrical Lifetime Curve

形式 Type SS-5



調整要領 Adjusting Set Pressure

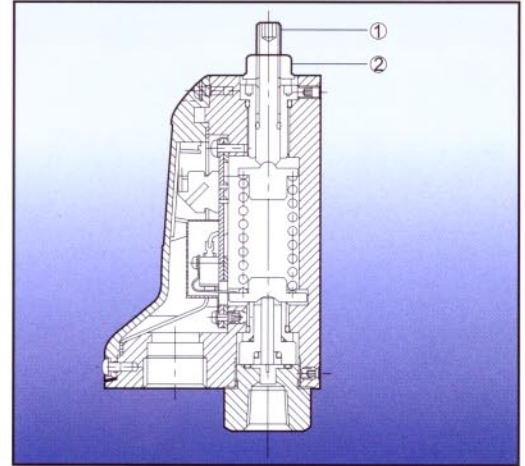
「調整設定壓力」

升壓時(上限設定)或減壓時(下限設定)的設定值變更可依旋轉設定軸①做變更。首先將鎖緊螺母②放鬆、利用六角形板手向右轉(順時鐘方向)可調高設定壓力、向左轉(逆時鐘方向)可調低設定壓力。

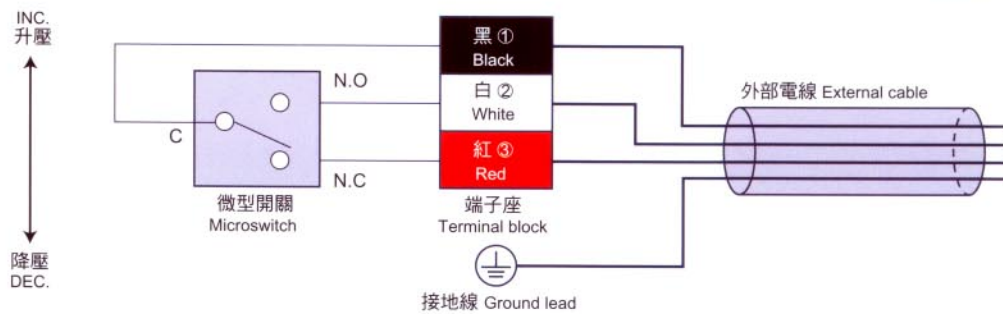
(設定後、務必將鎖緊螺母鎖緊)

High-pressure setting, in the course of pressure increase, and low pressure setting, in the course of pressure decrease, can be done by rotating the adjusting bolt ①, according to the following procedure.

Loosen the locknut ② first. Rotate the adjusting bolt ① with an open end wrench. Clockwise rotation allows high-pressure setting and counterclockwise rotation does low-pressure setting. Remember! After the setting work, be sure to tighten the locknut ②.



配線方法 Wiring

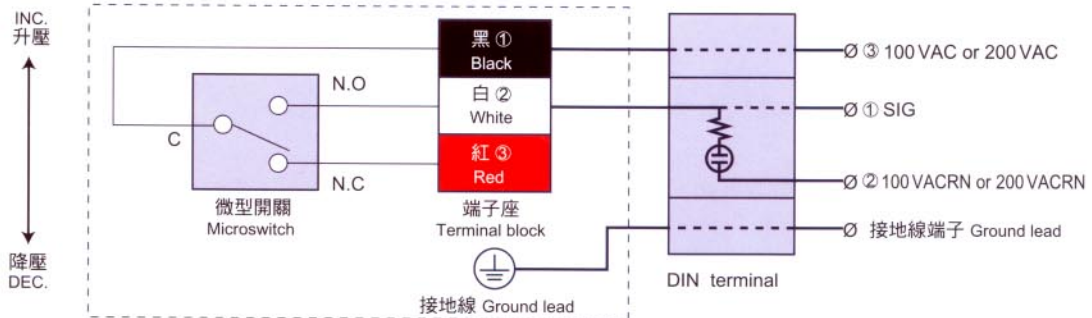


接線 1-2：壓力上升時接點為“閉” (A接點) Terminal 1-2 (a-contact): Closed with the pressure increased

接線 1-3：壓力上升時接點為“開” (B接點) Terminal 1-3 (b-contact): Opened with the pressure increased

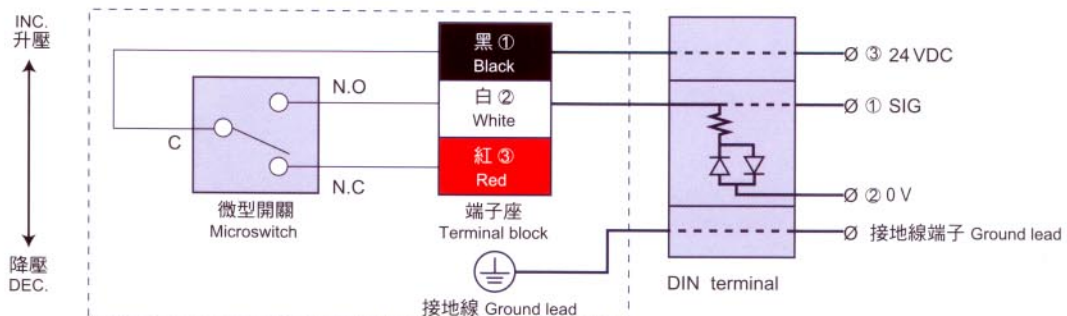
配線方法 (附DIN端子) 任選 DIN Terminal Wiring Instruction, (option)

☆使用交流電做A接點時 In the case of AC a-contact

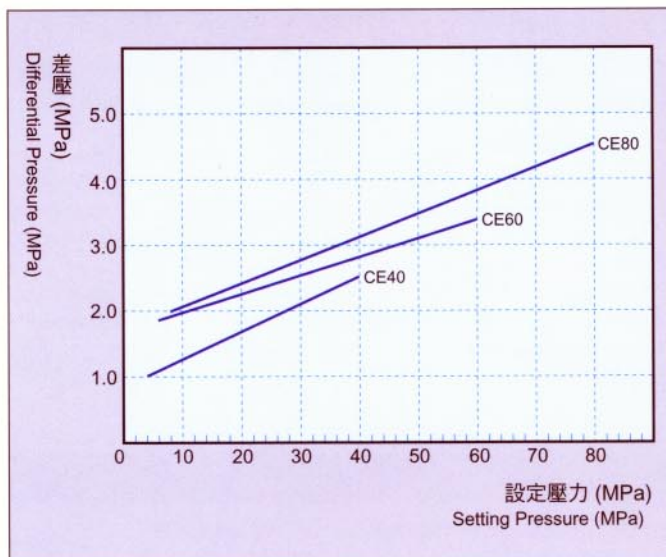
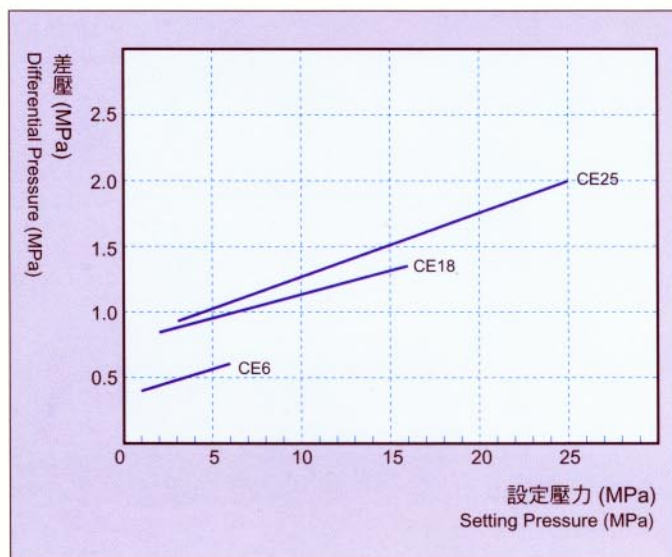


配線方法 (附DIN端子) 任選 DIN Terminal Wiring Instruction, (option)

☆使用直流電做A接點時 In the case of DC a-contact



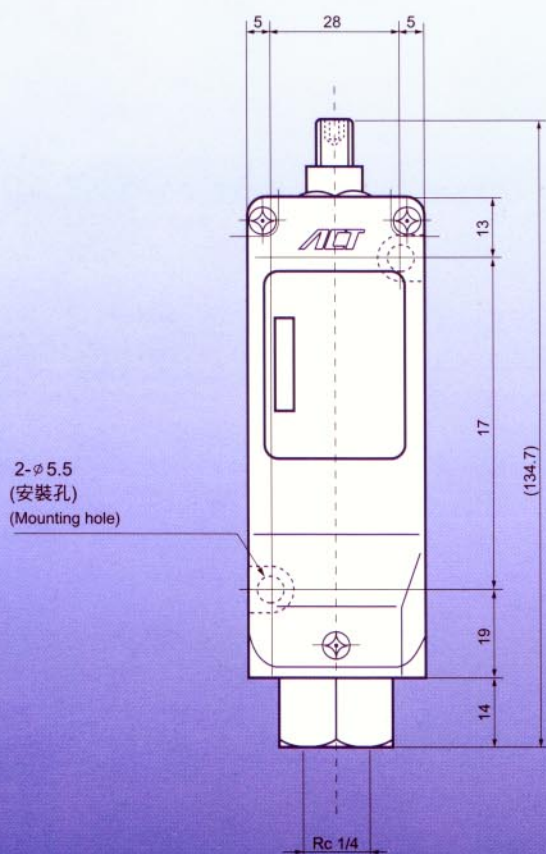
差壓表 Differential Pressure Diagram



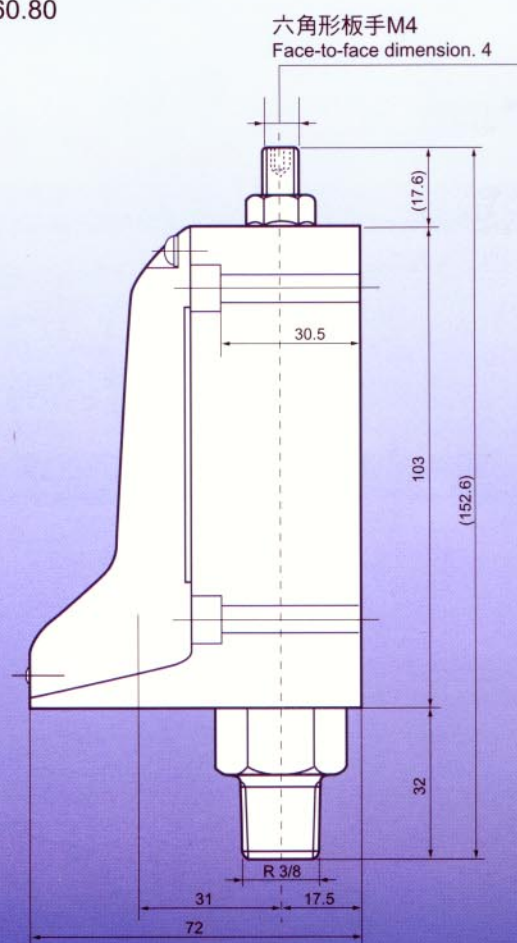
※ 參見資料 (Reference material)

外觀尺寸圖 Outline drawing

CE 6~40



CE 60.80



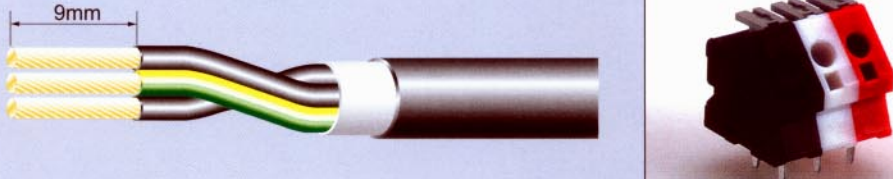
※ G3/8的接管管徑可向本廠查詢

※ Contact us for the respective outline drawings for the connection ports of G3/8 .

免螺釘接線端子台 Screwless Terminal Block

將電線插入導電金屬與彈簧片之間直接或藉由彈簧的力量來壓緊配線所構成的端子台。

It has a cable installed between the conductive fitting and the spring. Electrical circuit will be made by the spring force directly or through a spring seat.

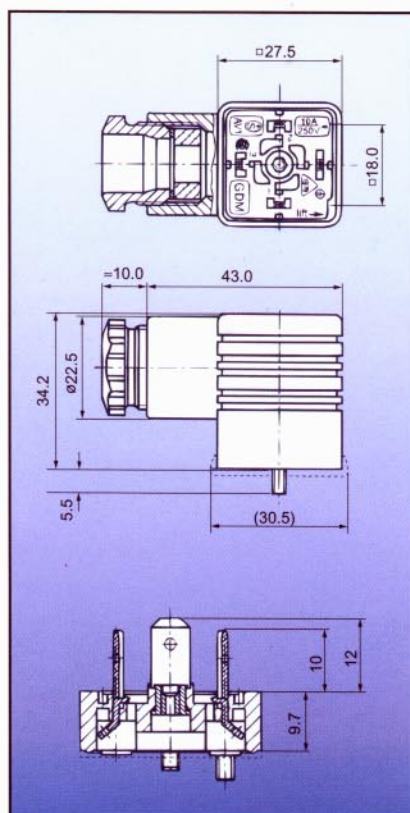
電源規格 Current	300V-7A	
電線規格 Cable specification	單線 $\phi 1.0\text{mm}$	Solid cable of $\phi 1.0\text{mm}$
	絞線 0.75mm^2	Stranded cable of 0.75mm^2
使用可能電線 Available cable	單線 $\phi 0.4 \sim \phi 1.2\text{mm}$ (AWG26~18)	Solid cable of $\phi 0.4 - \phi 1.2\text{mm}$ (AWG26 - 18)
	絞線 $0.3 \sim 0.75\text{mm}^2$ (AWG22~20)	Stranded cable of $0.3 - 0.75\text{mm}^2$ (AWG22 - 20)
剝落電線絕緣皮膜的長度 Stripping length		

注) 使用絞線時線線徑需為 $\phi 0.18\text{mm}$ 以上。 Note: Diameter of each wire for stranded cable should be not less than $\phi 0.18\text{mm}$.

電線截面積與電流值之關係 Cross-sectional area of cable and electric current

單 線 Solid cable	絞 線 Stranded cable	電 流 Electric current
$\phi 1.0\text{mm}$	0.75mm^2	5A
$\phi 0.75\text{mm}$	0.5mm^2	3A

附DIN端子表示燈之外觀尺寸及規格 Dimensional Outline Drawing and Specifications for the DIN Terminal with A pilot light



項目 Item	名稱 Designation	附LED型端子 Connector with LED	附glow lamp型端子 Connector with neon glow lamp	
電源規格 Rated voltage		24VDC	100VAC/DC	200VAC/DC
使用電壓範圍 Available voltage		16~28VDC	80~125VAC/DC	170~242VAC/DC
消耗電流 Current Consumption		10mA	0.66mA	
耐久時間 Life cycle		1,000萬次以上 More than 10,000,000 cycles.		
接點電阻 Contact resistance		4MΩ以下 Up to 4MΩ		
周圍溫度 Room temperature		-20~+80℃		
配線使用範圍 Available cable		0.5~1.5mm ²		
電線外徑使用範圍 O. D. of available cable		ø6.0~ø10.0mm		
耐震性 Vibration-resistance		震動加速度 11G Vibrating acceleration: 11G		