



ORDER GUIDE

M4 SERIES ENCLOSED LIMIT SWITCHES

- Miniature Size.
- Wide range of choice.
- Protective grade conforms to IP 67.
- With 2m or 3m cable.(VCTF or SJTO cable).
- SJTO cable (UL approved)Oil resistance cord type.
- Standard type, Side out cable type, Quick connent type. (M12 x 1)

- 小型設計種類齊全
- 防油、防水程度佳，符合 IP67
- 標準品耐2m或3m電纜線 (VCTF或SJTO電纜)
- SJTO 電纜線為 UL 認證之耐油纜線
- 標準型、側出線型、快速連結型



STANDARD TYPE/標準型

ORDERING CODE: M4 — 4101 — 2

Series code ← M4 Type NO. ← 4101 Cable code ← 2

Cable code : cable type ; cable length 電纜規格、長度

VCTF Cable (0.75mm² × 4c) 2 → 2m 3 → 3m
 SJTO Cable (UL approved) (18AWG × 4c) 2L → 2m 3L → 3m

ELECTRICAL RATING

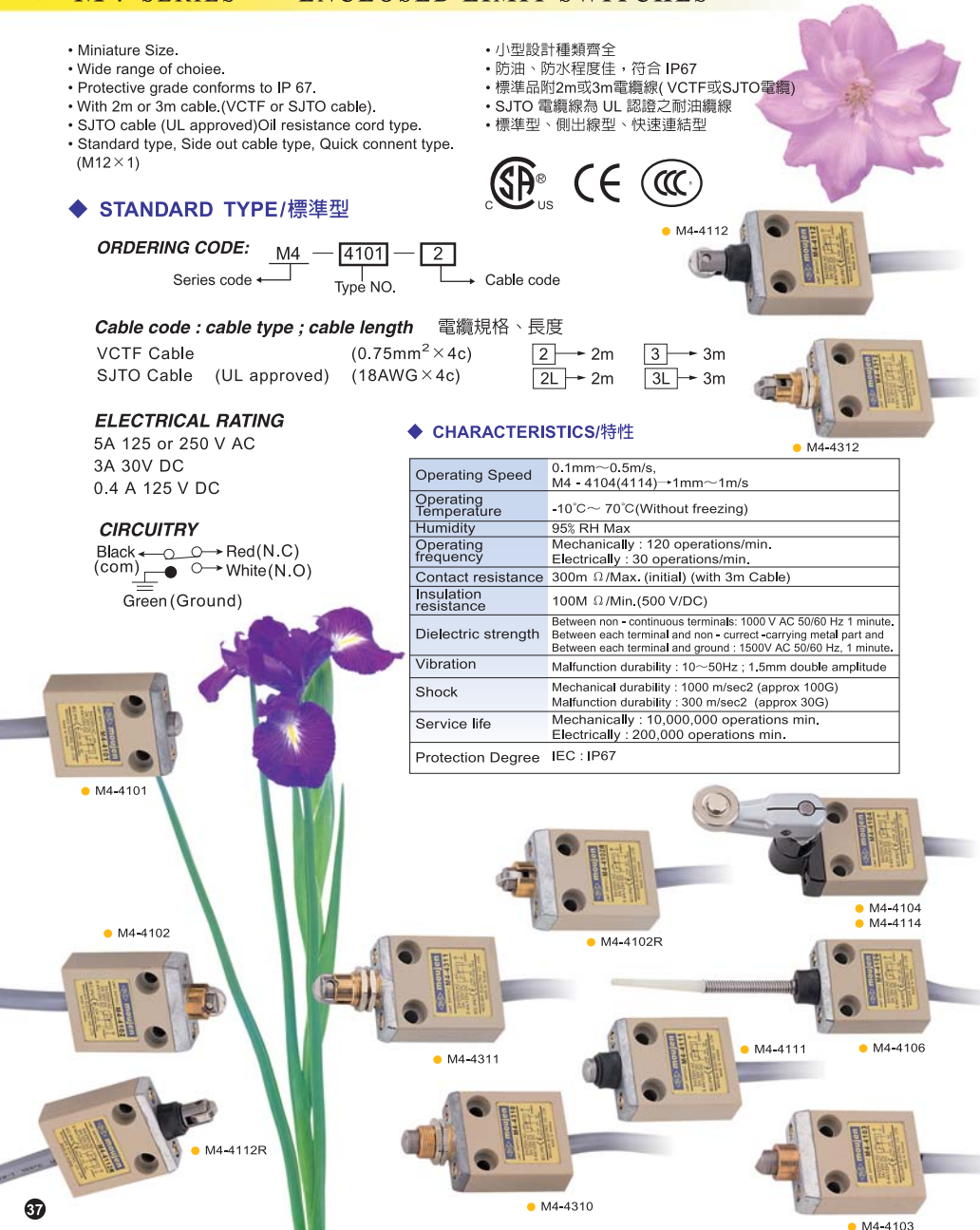
5A 125 or 250 V AC
 3A 30V DC
 0.4 A 125 V DC

CIRCUITRY

Black ← ○ → Red (N.C)
 (com) ● ○ → White (N.O.)
 Green (Ground)

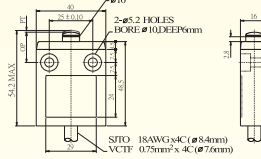
CHARACTERISTICS/特性

Operating Speed	0.1mm~0.5m/s, M4 - 4104(4114) → 1mm~1m/s
Operating Temperature	-10°C ~ 70°C (Without freezing)
Humidity	95% RH Max
Operating frequency	Mechanically : 120 operations/min. Electrically : 30 operations/min.
Contact resistance	300m Ω/Max. (initial) (with 3m Cable)
Insulation resistance	100M Ω/Min.(500 V/DC)
Dielectric strength	Between non - continuous terminals: 1000 V AC 50/60 Hz 1 minute, Between each terminal and non - current-carrying metal part and Between each terminal and ground : 1500V AC 50/60 Hz, 1 minute.
Vibration	Malfunction durability : 10~50Hz ; 1.5mm double amplitude
Shock	Mechanical durability : 1000 m/sec ² (approx 100G) Electrical durability : 300 m/sec ² (approx 30G)
Service life	Mechanically : 10,000,000 operations min. Electrically : 200,000 operations min.
Protection Degree	IEC : IP67

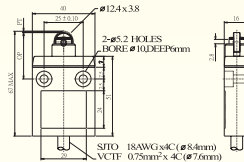


DIMENSIONS (mm)

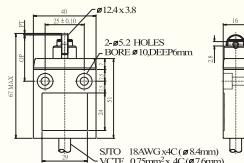
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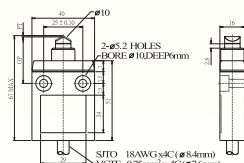
M4-4102



M4-4102R

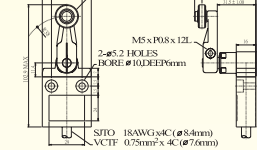


M4-4103

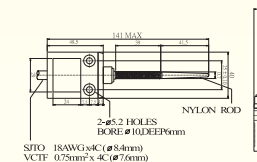


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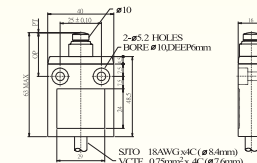
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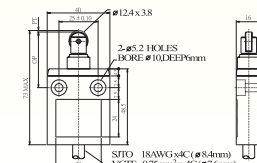
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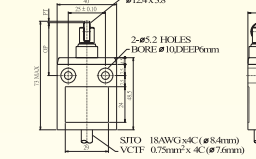
M4-4111



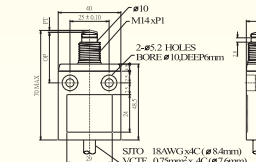
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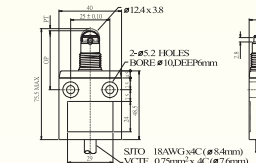
M4-4112R



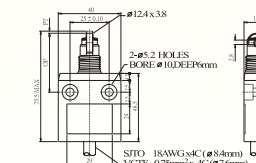
M4-4310



M4-4311



M4-4312



OPERATING CHARACTERISTICS

M4-4101		M4-4102		M4-4102R		M4-4103		M4-4104		M4-4114		M4-4106	
OF MAX	1200g	OF MAX	1200g	OF MAX	1200g	OF MAX	1200g	OF MAX	580g	OF MAX	580g	OF MAX	150g
RF MIN	450g	RF MIN	450g	RF MIN	450g	RF MIN	450g	RF MIN	150g	RF MIN	150g	RF MIN	*
PT MAX	1.8mm	PT MAX	1.8mm	PT MAX	1.8mm	PT MAX	1.8mm	PT MAX	25°	PT MAX	10° ± 3°	PT MAX	15°
OT MIN	3mm	OT MIN	3mm	OT MIN	3mm	OT MIN	3mm	OT MIN	40°	OT MIN	50°	OT MIN	*
MD MAX	0.2mm	MD MAX	0.2mm	MD MAX	0.2mm	MD MAX	0.2mm	MD MAX	3°	MD MAX	3°	MD MAX	*
OP	15.7±1mm	OP	28.5±1mm	OP	28.5±1mm	OP	28.5±1mm	OP	*	OP	*	OP	*

M4-4111		M4-4112		M4-4112R		M4-4310		M4-4311		M4-4312	
OF MAX	1800g	OF MAX	1800g	OF MAX	1800g	OF MAX	1200g	OF MAX	1200g	OF MAX	1200g
RF MIN	450g	RF MIN	450g	RF MIN	450g	RF MIN	450g	RF MIN	450g	RF MIN	450g
PT MAX	1.8mm	PT MAX	1.8mm	PT MAX	1.8mm	PT MAX	1.8mm	PT MAX	1.8mm	PT MAX	1.8mm
OT MIN	3mm	OT MIN	3mm	OT MIN	3mm	OT MIN	3mm	OT MIN	3mm	OT MIN	3mm
MD MAX	0.2mm	MD MAX	0.2mm	MD MAX	0.2mm	MD MAX	0.2mm	MD MAX	0.2mm	MD MAX	0.2mm
OP	24.9±1mm	OP	34.3±1mm	OP	34.3±1mm	OP	31.2±1mm	OP	36.8±1mm	OP	36.8±1mm

▶ M4 SERIES ENCLOSED LIMIT SWITCHES

◆ Side Out Cable Type: 側出線型

ORDERING CODE: M4 - 4101 S - 2

Series code Type NO. Cable code



M4-4104S

◆ Quick Connent Type (M12×1): 快速連接器型

ORDERING CODE: M4 - 4101 Q - AC

Series code Type NO. Connection style



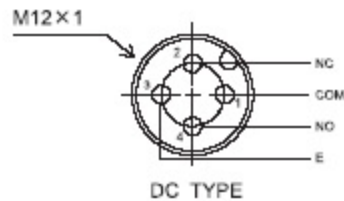
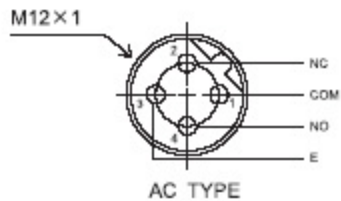
M4-4102Q



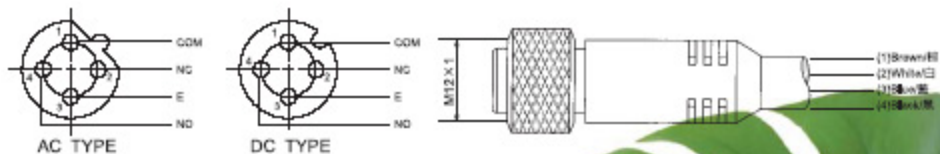
M4-4102S

● Connector Style: 連接器型式

AC → For AC or AC/DC Quick Connect Style.
DC → For DC Quick Connect Style.



● Connector Cable: 連結電線



ORDERING CODE

AC TYPE	DC TYPE	Cable length 電纜長度
M4-QAC-2	M4-QDC-2	2 m
M4-QAC-3	M4-QDC-3	3 m
M4-QAC-5	M4-QDC-5	5 m

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