

► M4 SERIES ENCLOSED LIMIT SWITCHES

- Miniature Size.
- Wide range of choices.
- 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 connect type. (M12×1)



◆ STANDARD TYPE



ORDERING CODE: M4 — 4101 — 2

Series code ← M4 Type NO. 4101 Cable code 2

● M4-4112



Cable code : cable type ; cable length

VCTF Cable (0.75mm² × 4c)

SJTO Cable (UL approved) (18AWG × 4c)

2 → 2m 3 → 3m

2L → 2m 3L → 3m



● M4-4312

ELECTRICAL RATING

5A 125 or 250 V AC

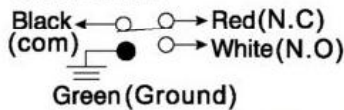
3A 30V DC

0.4 A 125 V DC

◆ 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) Malfunction durability : 300 m/sec ² (approx 30G)
Service life	Mechanically : 10,000,000 operations min. Electrically : 200,000 operations min.
Protection Degree	IEC : IP67

CIRCUITRY



● M4-4101



● M4-4102



● M4-4112R



● M4-4102R



● M4-4104
● M4-4114

● M4-4311



● M4-4310



● M4-4111



● M4-4106



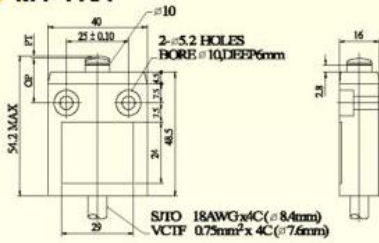
● M4-4103



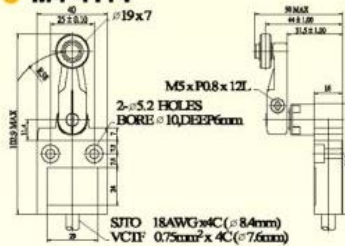
ORDER GUIDE

DIMENSIONS (mm)

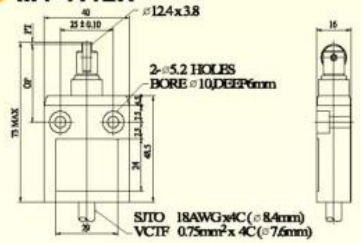
M4-4101



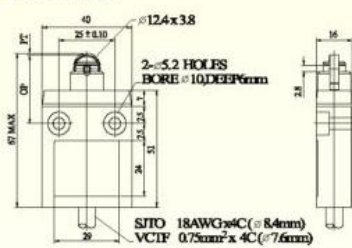
M4-4104 M4-4114



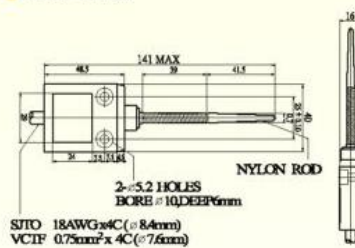
M4-4112R



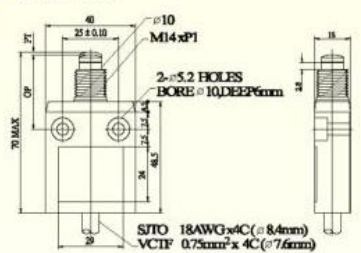
M4-4102



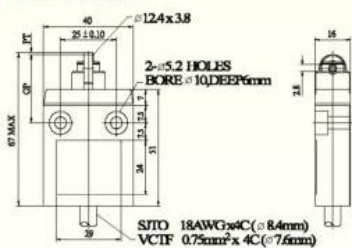
M4-4106



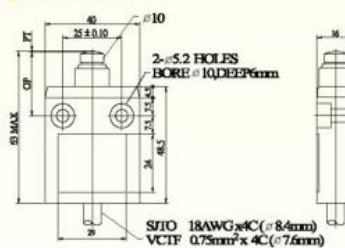
M4-4310



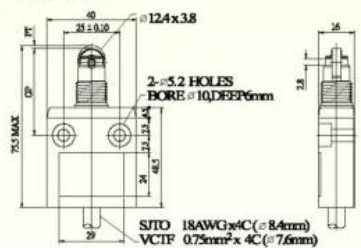
M4-4102R



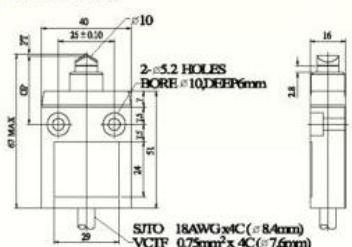
M4-4111



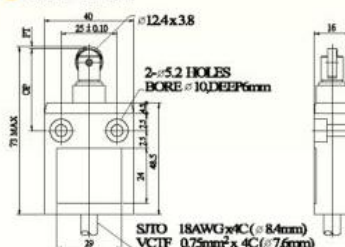
M4-4311



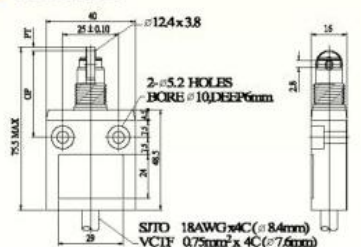
M4-4103



M4-4112



M4-4312



OPERATING CHARACTERISTICS

	M4-4101	M4-4102
OF MAX	1200g	1200g
RF MIN	450g	450g
PT MAX	1.8mm	1.8mm
OT MIN	3mm	3mm
MD MAX	0.2mm	0.2mm
OP	15.7±1mm	28.5±1mm

	M4-4102R	M4-4103
OF MAX	1200g	1200g
RF MIN	450g	450g
PT MAX	1.8mm	1.8mm
OT MIN	3mm	3mm
MD MAX	0.2mm	0.2mm
OP	28.5±1mm	28.5±1mm

	M4-4104	M4-4114	M4-4106
OF MAX	580g	580g	150g
RF MIN	150g	150g	*
PT MAX	25°	10° ± 3°	15°
OT MIN	40°	50°	*
MD MAX	3°	3°	*
OP	*	*	*

	M4-4111	M4-4112
OF MAX	1800g	1800g
RF MIN	450g	450g
PT MAX	1.8mm	1.8mm
OT MIN	3mm	3mm
MD MAX	0.2mm	0.2mm
OP	24.9±1mm	34.3±1mm

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

	M4-4311	M4-4312
OF MAX	1200g	1200g
RF MIN	450g	450g
PT MAX	1.8mm	1.8mm
OT MIN	3mm	3mm
MD MAX	0.2mm	0.2mm
OP	36.8±1mm	36.8±1mm

► M4 SERIES ENCLOSED LIMIT SWITCHES

◆ Side Out Cable Type:

ORDERING CODE: M4 — 4101 S — 2

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



◆ Quick Connet Type (M12×1):

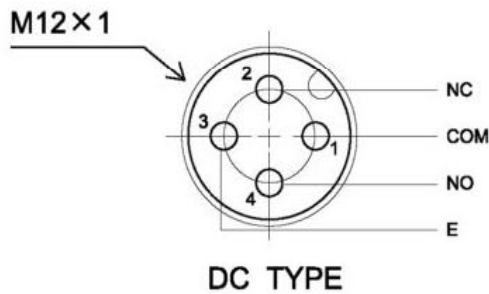
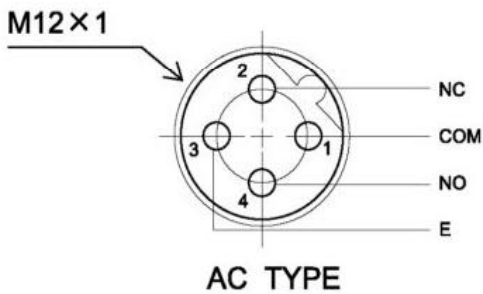
ORDERING CODE: M4 — 4101 Q — AC

Series code ← M4 Type NO. ← 4101 Q Connection style ← AC

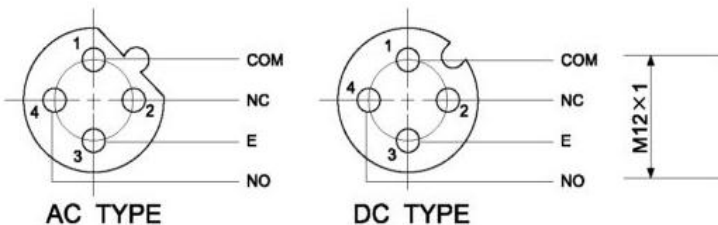


● Connector Style:

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



● Connector Cable:



(1) Brown
(2) White
(3) Blue
(4) Black

ORDERING CODE

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