ME-8 Series

Enclosed Basic Switch

◆ Features

- ✓ Basic switch with Plastic cover and Zinc alloy bottom enclosure.
- ✓ Dust, water, and oil resistant
- ✓ Strain relief suitable for SJT18/4 18AWG cables
- ✓ Field adjustable actuator heads

◆ Recognition(s)

- ✓ CE – EN60947
- ✓ UL – UL-508
- ✓ CCC – GB14048.5-2008
- ✓ RoHS Compliant
- ✓ Reach Unaffected



◆ Characteristics

Positive Opening	Electrical Contact	Terminal Type	Contact Form(s)	Poles & Throws	Actuation Sequence(s)
No	4 Points	Screw	Form Z	SPDT-NC-NO	Double Break(1) Double Make(2)

Operating Temp.	AC Rated	DC Rated	IP	Oil Resist	Dust Resist	Water Resist	Operating Speed
-15 to 70 Celsius	5A 250V	0.4A 115V	65	Yes	Yes	Yes	0.5mm to 50cm/sec

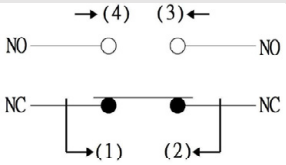
Operation Frequency	Contact Resistance	Insulation Resistance	Vibration
Mechanically: 120/min Electrically: 30/min	15mΩ max. (initial)	100MΩ min. (500VDC)	1.5mm amplitude at 10-55Hz

Storage Humidity	Service Life (min.)	Dielectric Strength
85% RH max	Mechanically: 10,000,000 operations Electrically: 300,000 operations	1000VAC, 50/60Hz for 1 minute between non-continuous terminals

Recommended tightening forces

Purpose	Screw type	Tightening
Mounting	M4	1.18~1.37 N·m
Enclosure cover		0.44±0.05 N·m
Screw terminal		0.25±0.05 N·m

Circuitry



◆ Materials

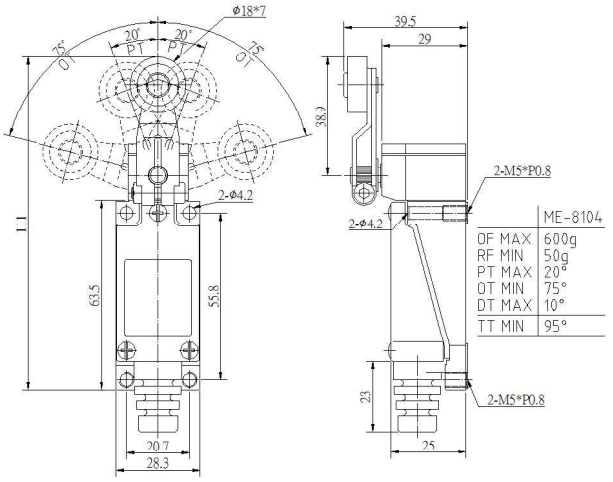
Actuation touch part	Electrical contact point	Enclosure
Nylon, or Stainless Steel, or Teflon	Silver 99.9%	Plastic top with Zinc alloy bottom

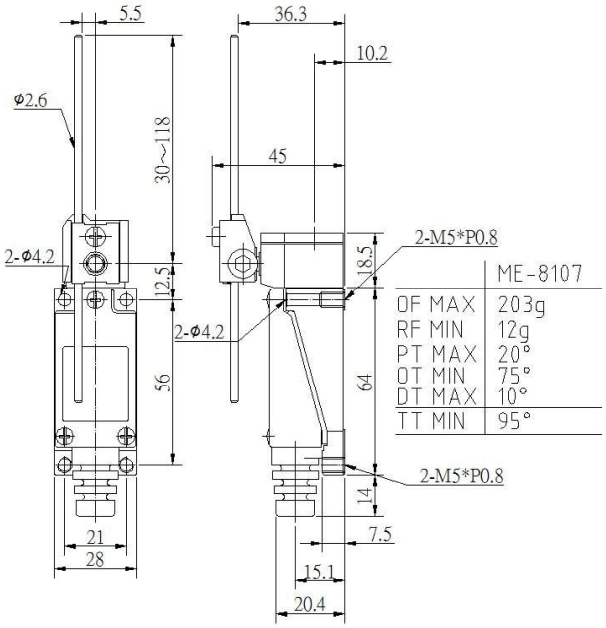
◆ Nomenclature

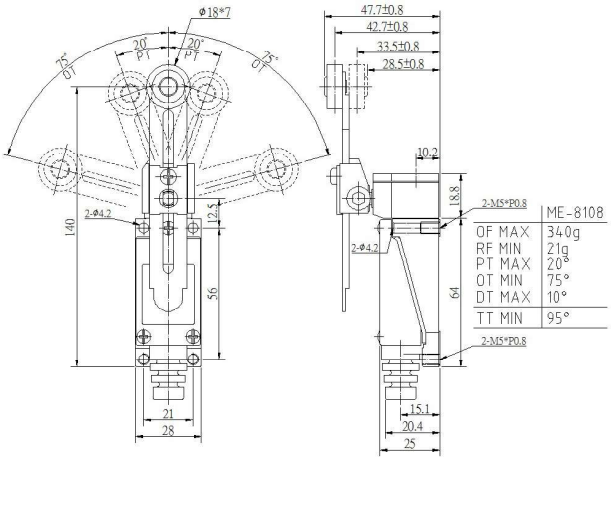
Series:	Actuator (and material):
ME –	**8104**
	8104 = Side rotary, nylon roller 8104-L = Side rotary, ⌀50mm rubber roller 8104-M = Side rotary, metallic roller 8107 = Side rotary, adjustable metallic rod 8108 = Side rotary, adjustable nylon roller 8108-L = Side rotary, adjustable ⌀50mm rubber roller 8108-M = Side rotary, adjustable metallic roller 8111 = Metallic plunger 8112 = Metallic roller plunger 8112-P = Nylon roller plunger 8112-PT = Teflon roller plunger 8122 = Cross metallic roller plunger 8122-P = Cross nylon roller plunger 8122-PT = Cross Teflon roller plunger 8166 = Metallic spring coil with nylon tip 8169 = Metallic spring coil with wire tip 9101 = Metallic spring coil 9101-HI = Metallic spring coil with solid stainless-steel tip

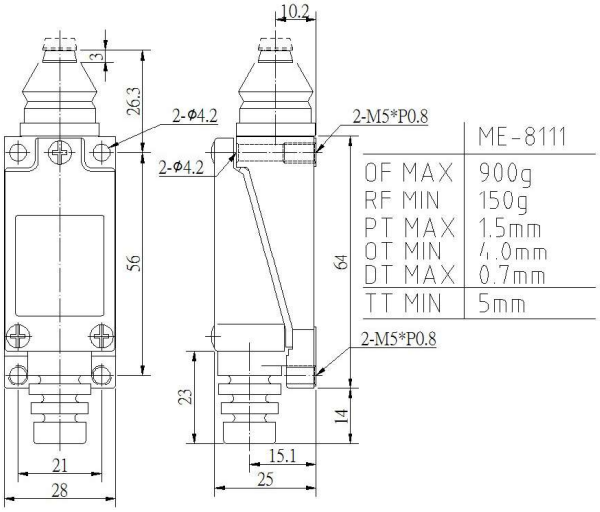
◆ Dimensions & Operating Characteristics

*Measurements in *millimeters*











ME-8104



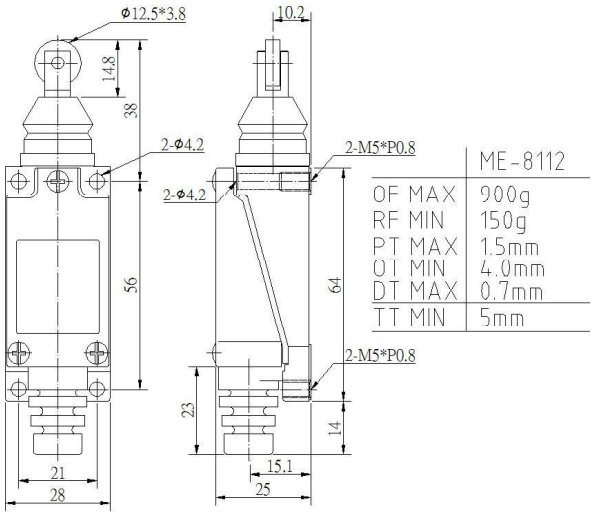
ME-8107



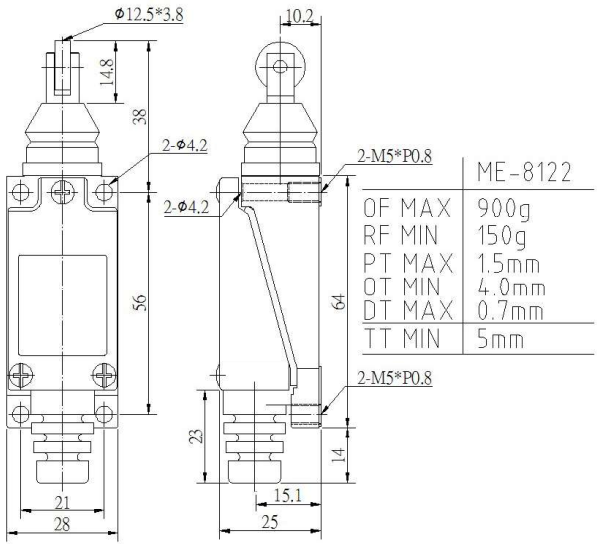
ME-8108



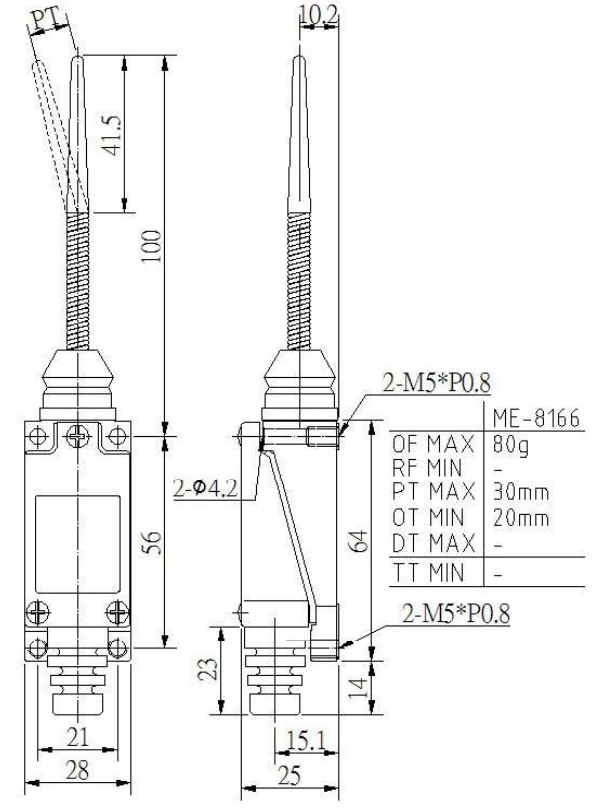
ME-8111



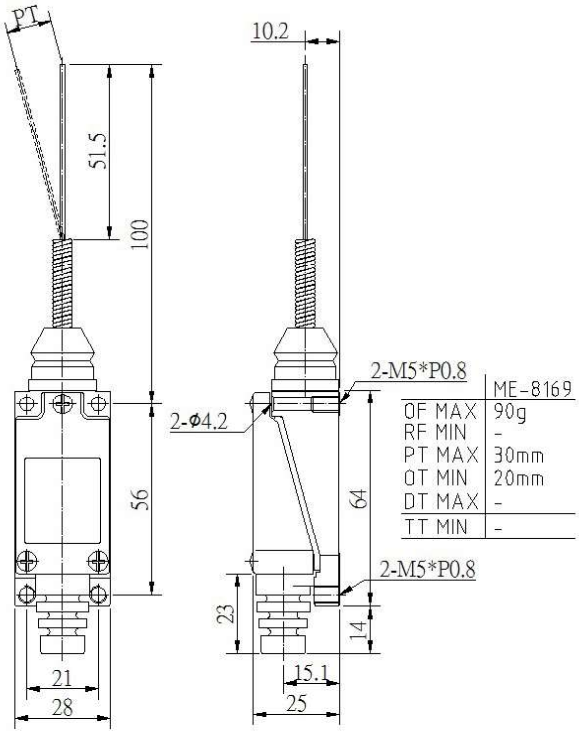
ME-8112	
OF MAX	900g
RF MIN	150g
PT MAX	1.5mm
OT MIN	4.0mm
DT MAX	0.7mm
TT MIN	5mm



ME-8122	
OF MAX	900g
RF MIN	150g
PT MAX	1.5mm
OT MIN	4.0mm
DT MAX	0.7mm
TT MIN	5mm



ME-8166	
OF MAX	80g
RF MIN	-
PT MAX	30mm
OT MIN	20mm
DT MAX	-
TT MIN	-



ME-8169	
OF MAX	90g
RF MIN	-
PT MAX	30mm
OT MIN	20mm
DT MAX	-
TT MIN	-



ME-8112



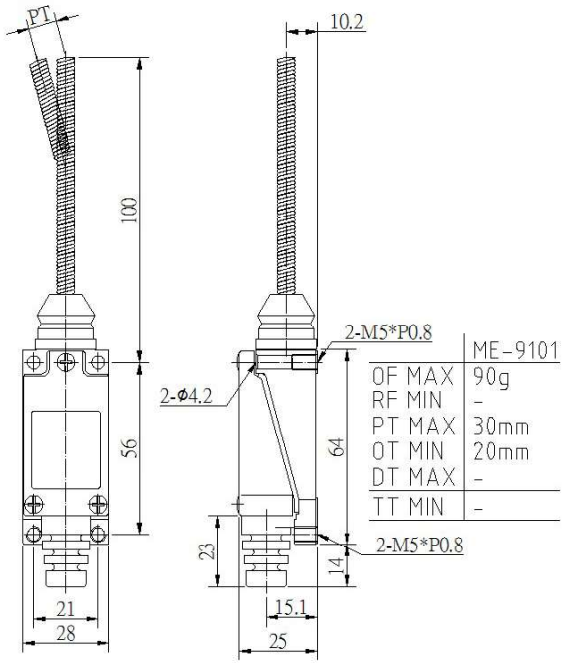
ME-8122



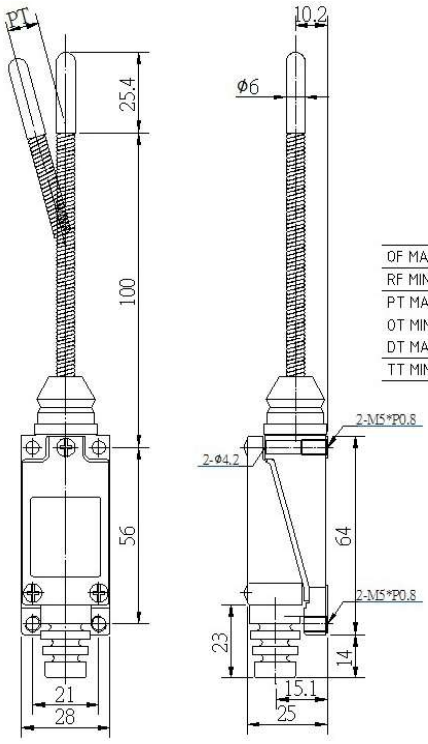
ME-8166



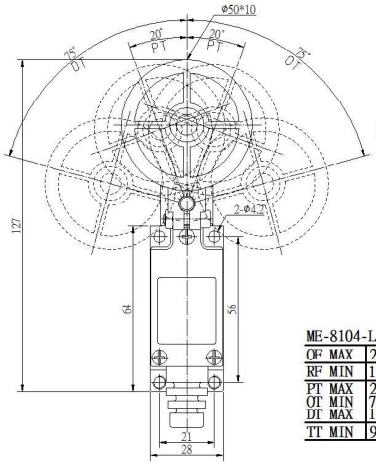
ME-8169



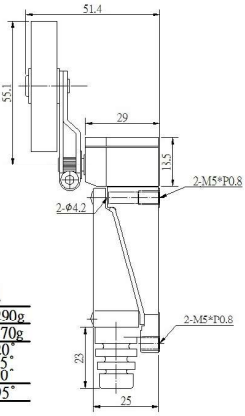
	ME-9101
OF MAX	90g
RF MIN	-
PT MAX	30mm
OT MIN	20mm
DT MAX	-
TT MIN	-

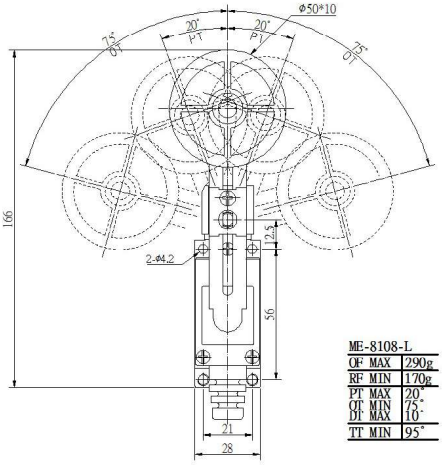


	ME-9101HI
OF MAX	90g
RF MIN	-
PT MAX	30mm
OT MIN	20mm
DT MAX	-
TT MIN	-

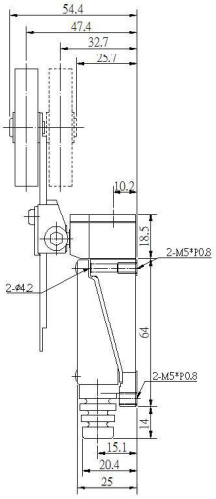


ME-8104-L	
OF MAX	290g
RF MIN	170g
PT MAX	20°
OT MIN	75°
DT MAX	10°
TT MIN	95°





ME-8108-L	
OF MAX	290g
RF MIN	170g
PT MAX	20°
OT MIN	75°
DT MAX	10°
TT MIN	95°





ME-9101



ME-9101-HI



ME-8104-L



ME-8108-L