

»Features

- High precision and metal die-casting body.
- Easy to wire connection construction
- High mechanical strength
- Dust-proof construction
- CCC approval.

»Specifications

Electrical Characteristics	
Rating	5A 125VAC or 250VAC
Insulating Resistance	100MΩ Min (at 500 VDC)
Dielectric Strength	AC 1000V (50/60 Hz for 1 minute)
Contact Resistance	25mΩ Max. (Initial)
Mechanical Characteristics	
Operating Frequency	Mechanical:max. 120 operations/minute. Electrical:max. 30 operations/minute.
Operating Speed	0.5mm to 500mm/s (pin plunger models)
Vibration	10 to 55Hz, 1.5 mm double amplitude
Operating Life	Electrical: 100,000 cycles. Mechanical: 1,000,000 cycles.
Climatic Characteristics	
Degree of Protection	IP40 (Excluding the terminals)
Operating Temperature	-0˚C ~ +55˚C
Operating Humidity	95% max. (for 5°C to 35°C)

»Product Selection

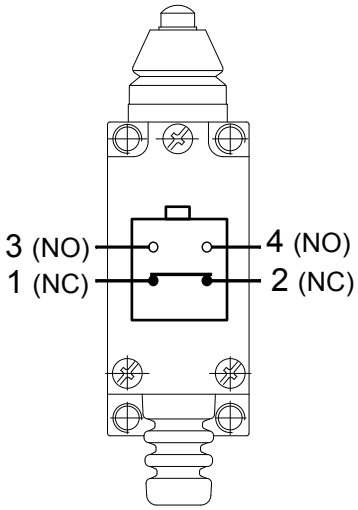
AH □□□□

1

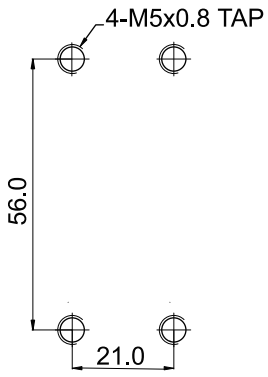
1.HEAD AND ACTUATOR

- **8111:** Push plunger type
- **8112:** Roller plunger type
- **8122:** Roller plunger type Anger 90°
- **8104:** Roller arm type
- **8107:** Rod lever type
- **8108:** Adjustable roller arm type (standard roller)
- **8166:** Themoplastic end flexible rod type
- **8169:** Cat whisker type
- **9101:** Wobble opening type

»Contact Configuration



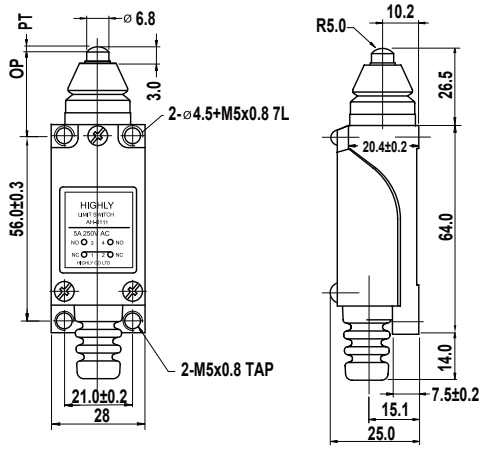
»Mounting Hole



Design, specifications are subject to change without notice.

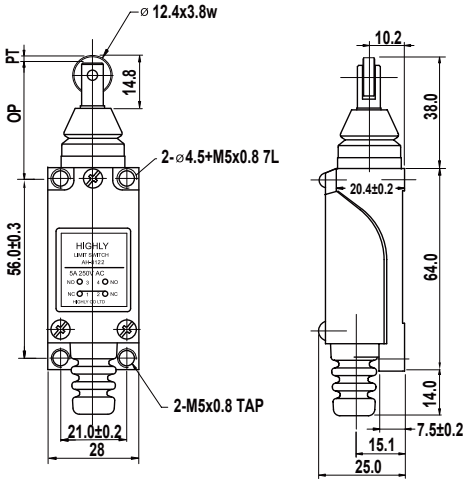
»Operating Characteristics

Actuator Type AH-8111 Push Plunger



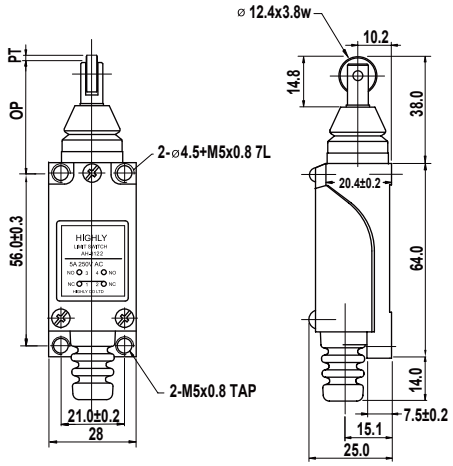
Operating characteristics	Model	AH-8111
Operating force	OF max.	900 gf
Release force	RF min.	150 gf
Pretravel	PT (NC) max.	1.5 mm
Free Position	FP max	27.0 mm
Overtravel	OT min.	4.0 mm
Movement differentia	MD max.	0.7 mm
Operating position	OP (mm)	25.0±0.5
TTP		5.5 mm

Actuator Type AH-8112 Roller Plunger



Operating characteristics	Model	AH-8112
Operating force	OF max.	900 gf
Release force	RF min.	150 gf
Pretravel	PT (NC) max.	1.5 mm
Free Position	FP max	38.0 mm
Overtravel	OT min.	4.0 mm
Movement differentia	MD max.	0.7 mm
Operating position	OP (mm)	36.5±0.5
TTP		5.5 mm

Actuator Type AH-8122 Roller Plunger Anger 90°

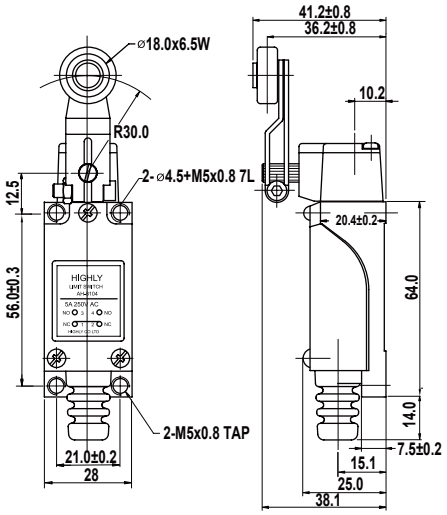


Operating characteristics	Model	AH-8122
Operating force	OF max.	900 gf
Release force	RF min.	150 gf
Pretravel	PT (NC) max.	1.5 mm
Free Position	FP max	38.0 mm
Overtravel	OT min.	4.0 mm
Movement differentia	MD max.	0.7 mm
Operating position	OP (mm)	36.5±0.5
TTP		5.5 mm

Design, specifications are subject to change without notice.

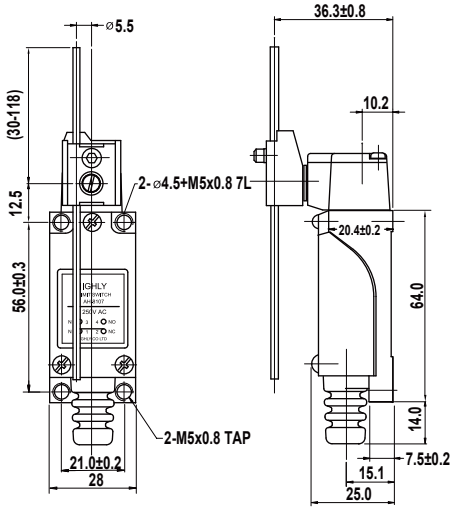
»Operating Characteristics

Actuator Type AH-8104 Roller Arm



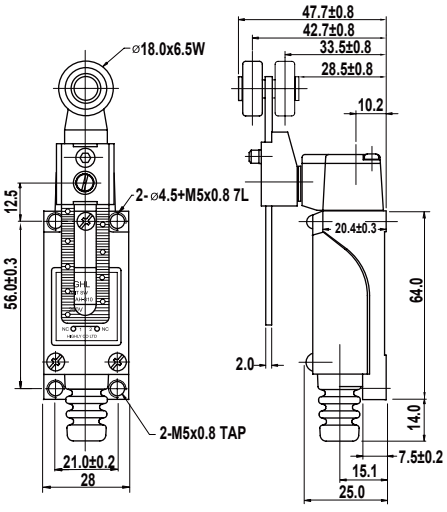
Operating characteristics / Model		AH-8104
Operating force	OF max.	600 gf
Release force	RF min.	50 gf
Pretravel	PT (NC) max.	20°
Free Position	FP max	
Overtravel	OT min.	75°
Movement differentia	MD max.	10°
Operating position	OP (mm)	
TTP		95°

Actuator Type AH-8107 R0d Lever



Operating characteristics / Model		AH-8107
Operating force	OF max.	230-800 gf
Release force	RF min.	12-50 gf
Pretravel	PT (NC) max.	20°
Free Position	FP max	
Overtravel	OT min.	75°
Movement differentia	MD max.	10°
Operating position	OP (mm)	
TTP		95°

Actuator Type AH-8108 Adjustable Roller Arm

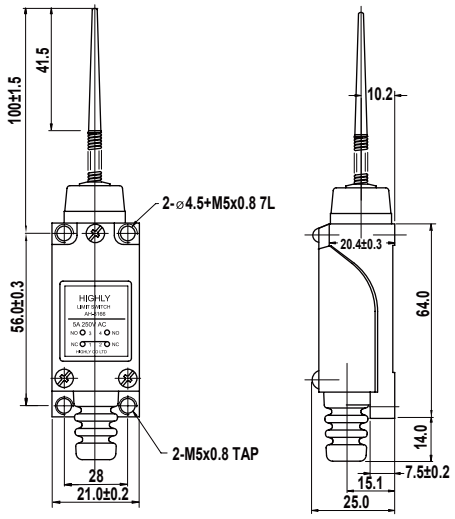


Operating characteristics / Model		AH-8108
Operating force	OF max.	342-800 gf
Release force	RF min.	50-12 gf
Pretravel	PT (NC) max.	20°
Free Position	FP max	
Overtravel	OT min.	75°
Movement differentia	MD max.	10°
Operating position	OP (mm)	
TTP		95°

Design, specifications are subject to change without notice.

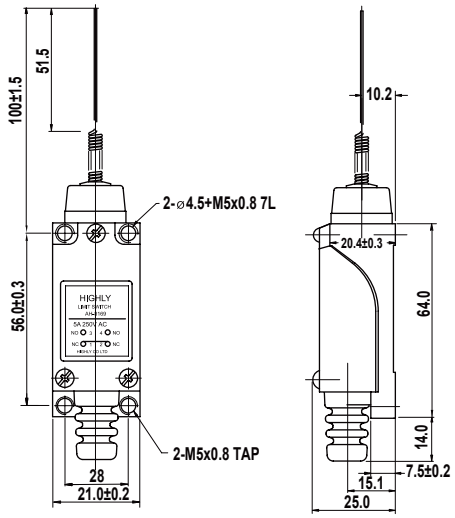
»Operating Characteristics

Actuator Type AH-8166 Themoplastic and Flexible Rod



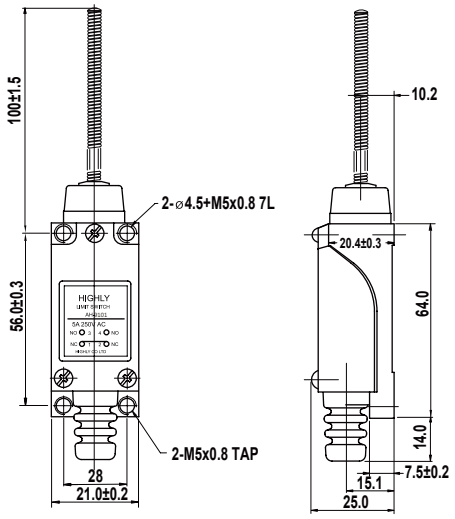
Operating characteristics	Model	AH-8166
Operating force	OF max.	900 gf
Release force	RF min.	-----
Pretravel	PT (NC) max.	30 mm
Free Position	FP max	
Overtravel	OT min.	20 m m
Movement differentia	MD max.	-----
Operating position	OP (mm)	
TTP		50 mm

Actuator Type AH-8169 Cat Whisker



Operating characteristics	Model	AH-8169
Operating force	OF max.	900 gf
Release force	RF min.	-----
Pretravel	PT (NC) max.	30mm
Free Position	FP max	
Overtravel	OT min.	20 mm
Movement differentia	MD max.	-----
Operating position	OP (mm)	
TTP		50 mm

Actuator Type AH-9101 Wobble Opening



Operating characteristics	Model	AH-9101
Operating force	OF max.	900 gf
Release force	RF min.	-----
Pretravel	PT (NC) max.	30 mm
Free Position	FP max	
Overtravel	OT min.	20 mm
Movement differentia	MD max.	-----
Operating position	OP (mm)	
TTP		50 mm

Design, specifications are subject to change without notice.