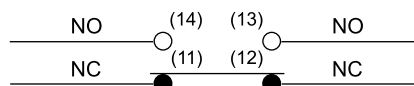


KM Heavy Duty Limit Switches

Feature

- Strong metal outer shell, swing arm max.±95°
- Long life (20, 000, 000 mechanical operations)
- Stainless steel idler wheel, punch and spring
- Selective PG11 cable gland

Contact Form



Specification

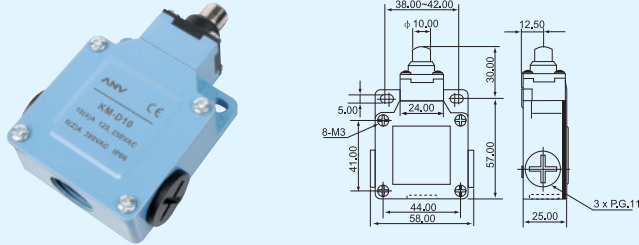
Model	KM	D10	D02	D23	D16	D41	D06	D66	D08
Operating Force	OF (Max.)	400g	800g	800g	400g-cm	400g-cm	150g	150g	150g
Release Force	RF (Min.)	1.8mm	400g	400g	100g-cm	100g-cm	50g	50g	50g
Pretravel	PT (Max.)	2.0mm	1.8mm	1.8mm	20°	20°	30mm	30mm	30mm
Tripping Position	TP±10%	1.2mm	2.0mm	2.0mm	22.5°	22.5°	22.5°	22.5°	22.5°
Movement Differential	MD (Max.)	4.0mm	1.2mm	1.2mm	10°	10°	14°	14°	14°
Overtravel	OT (Min.)	5.8mm	4.0mm	4.0mm	75°	75°	20mm	20mm	20mm
Totaltravel	TT (Min.)		5.8mm	5.8mm	95°	95°	50mm	50mm	50mm
Rotary Indexing					22.5°	22.5°			

Characteristic

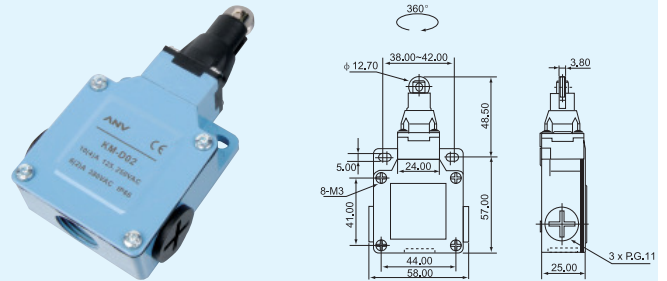
Double Break Mechanism	1NO+1NC Force Break snap action
Rated Voltage / Current	10(4)A, 125, 250VAC / 6(2)A, 380VAC For inductance Load, Cos φ =0.4
Contact Resistance	25mΩ max. (initial value)
Insulation Resistance	100mΩ min. (at 500VDC)
Dielectric Strength	1000VAC, 50/60 Hz for 1 minute between terminals of the same polarity
	1500VAC, 50/60 Hz for 1 minute between current-carrying and non-current-carrying metal parts
	1500VAC, 50/60 Hz for 1 minute between each terminal and ground
Electrical Life	500,000 at 10A 250VAC Resistive
Mechanical Life	10, 000, 000 operations min. (under rated conditions)
Operating Speed	5mm/s to 0.5m/s
Degree of Protection	IP66
Ambient Temperature Rised	Max 30°C over ambient temperature at rated voltage/current
Ambient Temperature	-5°C~+65°C (with no icing)
Storage Temperature	-5°C~+65°C (with no icing)
Ambient Humidity	95% RH Max.
Shock Resistance	Mechanical durable: 1000m/s ² min.
	Malfunction: 300m/s ² min.
Vibration Frequency	Malfunction: 10 to 55Hz, 1.5mm double amplitude
Terminal Screw Torsional Force	6-8 kgf·cm
Other Screw Torsional Force	Cover 12-14 kgf·cm/Head 8-9 kgf·cm/Mounting 50-60 kgf·cm
Bare Wire Diameter	φ 2 Max
Cable Diameter	φ 12 Max(IP 65 if use cable φ 8-9)

Appearance and Dimension

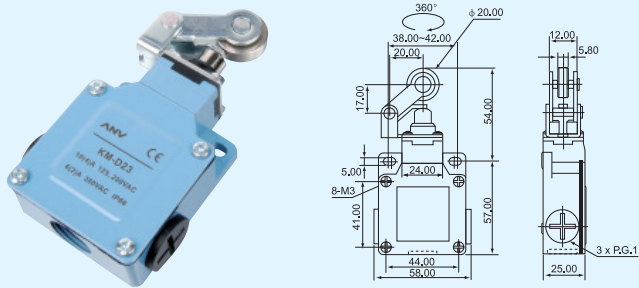
KM-D10



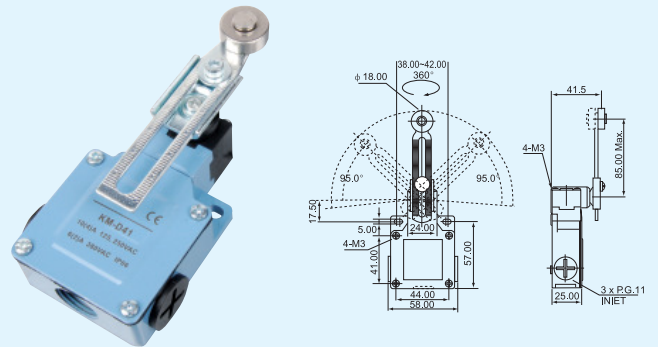
KM-D02



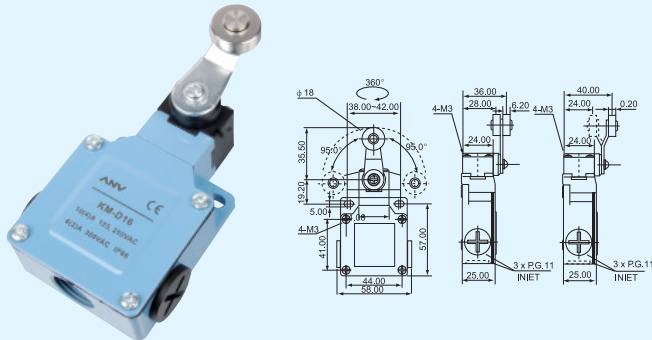
KM-D23



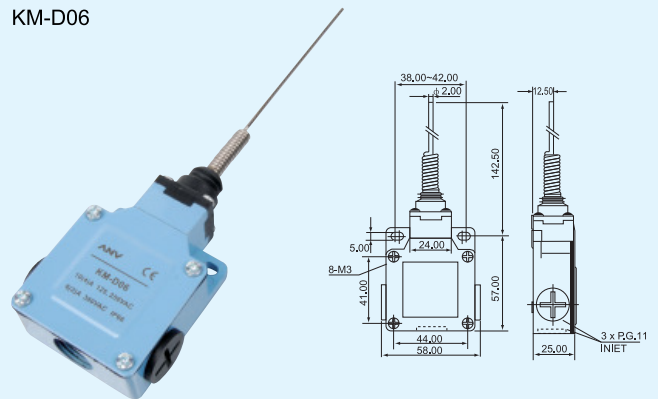
KM-D41



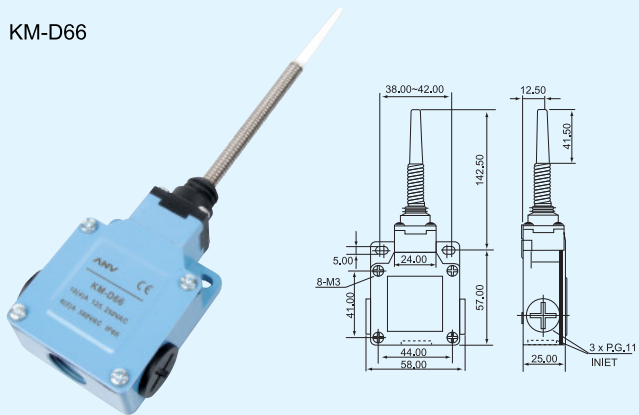
KM-D16



KM-D06



KM-D66



KM-D08

