

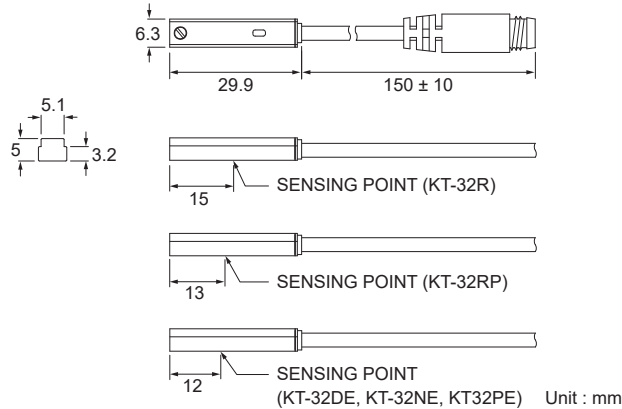
KT-32 SERIES

Magnetic Sensor



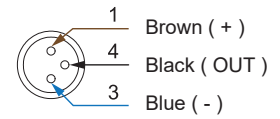
Dimensions

KT-32R, KT-32DE, KT-32NE, KT-32PE, KT-32RP /
KT-32R-QD, KT-32DE-QD, KT-32NE-QD, KT-32PE-QD,
KT-32RP-QD

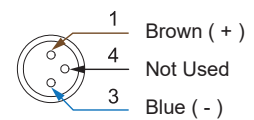


M8 QD Pinout

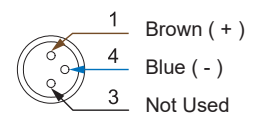
3 wire QD wiring



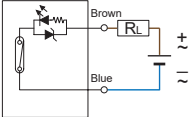
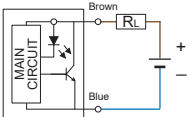
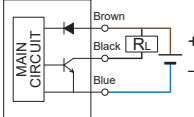
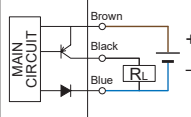
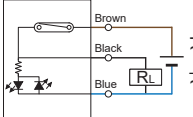
2 wire QD wiring



2 wire EQD wiring



Specifications

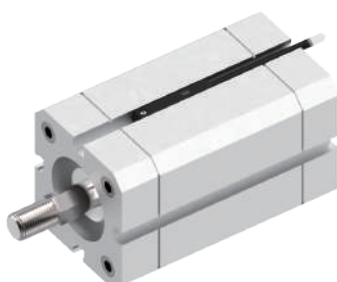
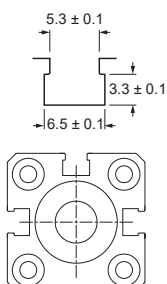
MODEL	KT-32R	KT-32DE	KT-32NE	KT-32PE	KT-32RP
Connect Diagram					
	Characteristics				
Wiring Method	2-Wire Type		3-Wire Type		
Switching Logic	SPST, Normally Open	Solid State Output, Normally Open			SPST, Normally Open
Sensor Type	Reed Switch	-	NPN Current Sinking	PNP Current Sourcing	Reed Switch
Operating Voltage	5 ~ 240 V DC / AC	5 ~ 30 V DC			10 ~ 30 V DC / AC
Switching Current	100 mA max.	50 mA max.	200 mA max.		500 mA max.
Contact Rating ※1	10 W max.	1.5 W max.	6 W max.		10 W max.
Current Consumption ※2	-	6 mA @ 24 V DC max.		10 mA @ 24 V DC max.	
Voltage Drop ※2	3.5 V max.	3.7 V max.	0.5 V @ 200 mA max.		0.1 V @ 100 mA max.
Leakage Current ※2	-	0.1 mA (40 uA) max.	0.01 mA max.		-
Indicator	Red LED			Green LED	Yellow LED
Lead Wire	Ø3.3 PVC - 24 AWG (0.22 mm ²) - 2 cores		Ø3.2 PVC - 24 AWG (0.22 mm ²) - 3 cores		
Operating Frequency	200 Hz	1000 Hz			200 Hz
Magnet Requirement ※2, 3	70 Gauss	40 ~ 1000 Gauss			60 Gauss
Temperature Range	-10 ~ 70 °C				
Shock ※4	30 G	50 G			30 G
Vibration ※5	9 G				
Enclosure	IEC 60529 IP67				
Protection Circuit ※6	1	3, 4			1

NOTE

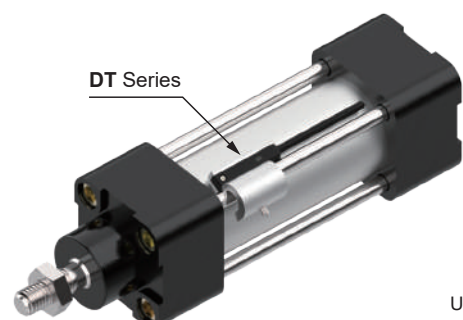
※1 : WARNING : Never exceed rating (Watt = Voltage × Amperage).
Permanent damage to sensor will occur.
※2 : It bases on conditions of voltage 24 V DC, ambient temp. 25 °C and 2 meters cable
of sensor. Voltage drop increases in pace with cable length.
※3 : Measuring standard target : Ø15.5 × Ø8 × 5t (Anisotropy rubber magnet)

※4 : Sin wave / X, Y, Z 3 directions / 3 times each direction / 11 ms each time.
※5 : Double amplitude 1.5 mm / 10 Hz ~ 55 Hz ~ 10 Hz (Sweep 1 min) / X, Y, Z 3 directions
/ 1 hour each time.
※6 : 1 = None / 2 = Short-circuit / 3 = Power Source Reverse polarity / 4 = Surge Suppression

Groove Dimensions



Bracket



Unit : mm