

KT-38 SERIES

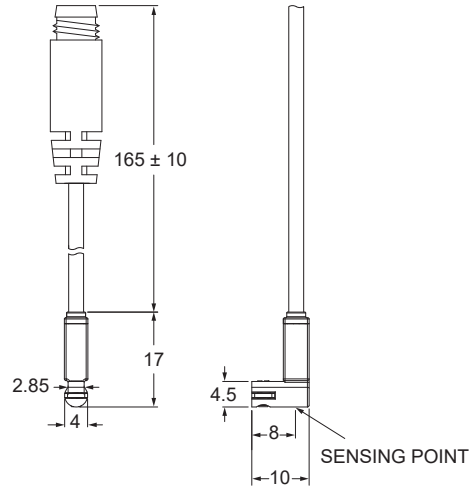


Compact Size



Dimensions

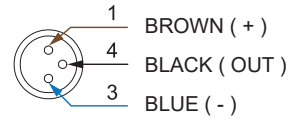
KT-38D, KT-38N, KT-38P /
KT-38D-QD, KT-38N-QD, KT-38P-QD



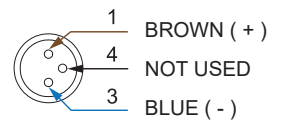
Unit : mm

QD Pinout

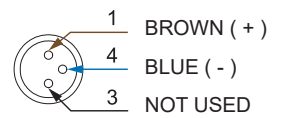
3 wire QD wiring



2 wire QD wiring



2 wire EQD wiring



Specifications

MODEL	KT-38D	KT-38N	KT-38P
Connect Diagram			
Characteristics			
Wiring Method	2-Wire Type	3-Wire Type	
Switching Logic	Solid State Output, Normally Open		
Sensor Type	-	NPN Current Sinking	PNP Current Sourcing
Operating Voltage	10 ~ 28 V DC	5 ~ 28 V DC	
Switching Current	4 ~ 20 mA max.	50 mA max.	
Contact Rating ※1	0.6 W max.	1.5 W max.	
Current Consumption	-	10 mA @ 24 V DC max.	
Voltage Drop	3.5 V max.	0.5 V @ 50 mA max.	
Leakage Current	0.8 mA max.	0.01 mA max.	
Indicator	Red LED		
Cable	Ø2.6 PVC - 26AWG (0.15 mm ²) - 2 cores	Ø2.6 PVC - 26 AWG (0.15 mm ²) - 3 cores	
Operating Frequency	1000 Hz		
Magnet Requirement ※2	40 Gauss		
Temperature Range	-10 ~ 70°C		
Shock ※3	50 G		
Vibration ※4	9 G		
Enclosure Classification	IEC 60529 IP67		
Protection Circuit ※5	4	3, 4	

NOTE

※1 : WARNING : Never exceed rating (Watt = Voltage x Amperage).

Permanent damage to sensor will occur.

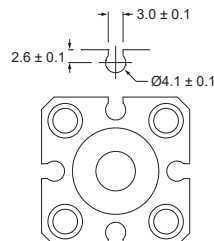
※2 : Measuring standard target : Ø15.5 × Ø8 × 5t (Anisotropy rubber magnet)

※3 : Sin wave / X , Y , Z 3 directions / 3 times each direction / 11 ms each time.

※4 : Double amplitude 1.5 mm / 10 Hz ~ 55 Hz ~ 10 Hz (Sweep 1 min) / X , Y , Z 3 directions / 1 hour each time.

※5 : 1 = None / 2 = Short-circuit / 3 = Power Source Reverse polarity / 4 = Surge Suppression

Groove Dimensions



Unit : mm