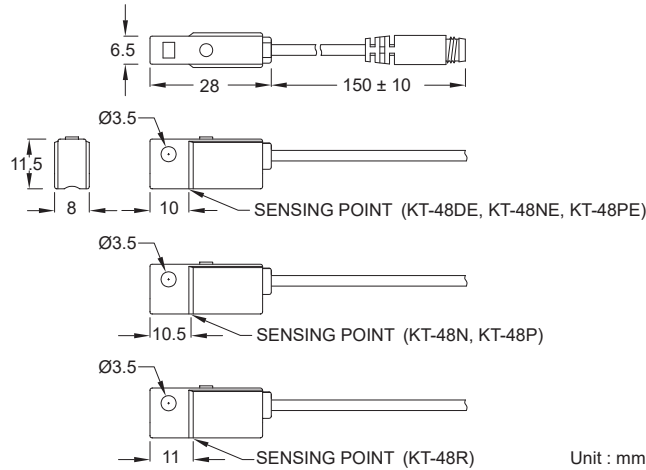


Dimensions

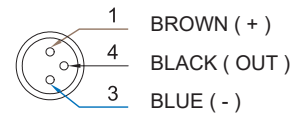
KT-48R, KT-48DE, KT-48N, KT-48NE, KT-48P, KT-48PE /
KT-48R-QD, KT-48DE-QD, KT-48N-QD, KT-48NE-QD,
KT-48P-QD, KT-48PE-QD



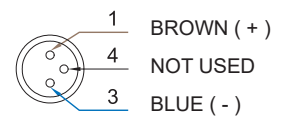
Unit : mm

QD Pinout

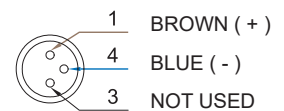
3 wire QD wiring



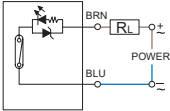
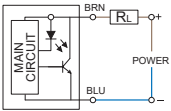
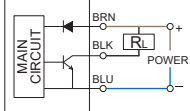
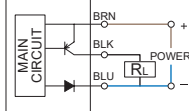
2 wire QD wiring



2 wire EQD wiring



Specifications

MODEL	KT-48R	KT-48DE	KT-48N	KT-48NE	KT-48P	KT-48PE
Connect Diagram						
Characteristics						
Wiring Method	2-Wire type			3-Wire type		
Switching Logic	SPST, Normally Open		Solid State Output, Normally Open			
Sensor Type	Reed Switch	-	NPN Current Sinking		PNP Current Sourcing	
Operating Voltage	5 ~ 240 V DC / AC	5 ~ 30 V DC	5 ~ 28 V DC	5 ~ 30 V DC	5 ~ 28 V DC	5 ~ 30 V DC
Switching Current	100 mA max.	50 mA max.		200 mA max.	50 mA max.	200 mA max.
Contact Rating *1	10 W max.	1.5 W max.		6 W max.	1.5 W max.	6 W max.
Current Consumption	-		10 mA @ 24 V DC max.	6 mA @ 24 V DC max.	10 mA @ 24 V DC max.	6 mA @ 24 V DC max.
Voltage Drop	3.5 V max.	3.7 V max.	1.5 V @ 50 mA max.	0.5 V @ 200 mA max.	1.5 V @ 50 mA max.	0.5 V @ 200 mA max.
Leakage Current	-	0.1 mA (40 uA) max.	0.01 mA max.			
Indicator	Red LED				Green LED	
Cable	ø 3.3, 2C, PVC		ø 3.3, 3C, PVC			
Operating Frequency	200 Hz		1000 Hz max.			
Magnet Requirement *2	110 Gauss	40 ~ 1000 Gauss	75 Gauss	40 ~ 1000 Gauss	75 Gauss	40 ~ 1000 Gauss
Temperature Range	-10 ~ 70 °C					
Shock *3	30 G		50 G			
Vibration *4	9 G					
Enclosure Classification	IEC 60529 IP67					
Protection Circuit *5	1	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

Clamp

