

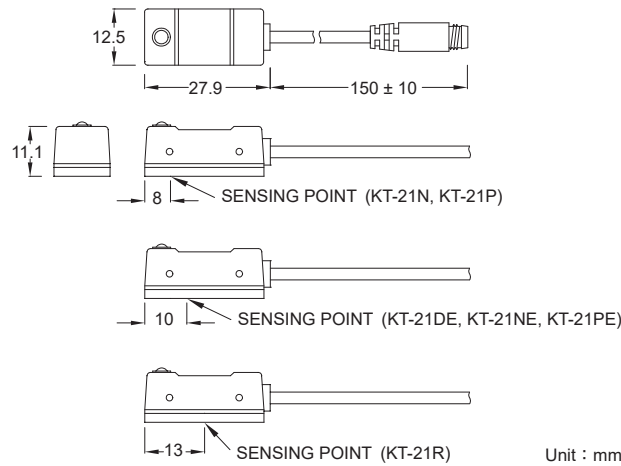
KT-21 SERIES

Magnetic Sensor

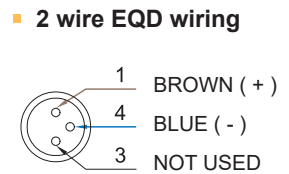
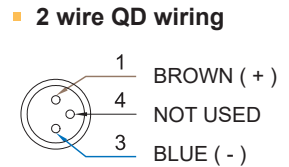
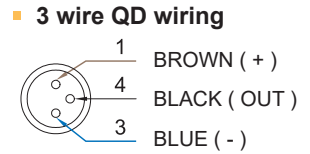


Dimensions

KT-21R, KT-21DE, KT-21N, KT-21NE, KT-21P, KT-21PE /
KT-21R-QD, KT-21DE-QD, KT-21N-QD, KT-21NE-QD,
KT-21P-QD, KT-21PE-QD



QD Pinout



Specifications

MODEL	KT-21R	KT-21DE	KT-21N	KT-21NE	KT-21P	KT-21PE						
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									
Switching Current	100 mA max.		50 mA max.		200 mA max.							
Contact Rating *1	10 W max.		1.5 W max.		6 W max.							
Current Consumption	-		15 mA @ 24 V DC max.		6 mA @ 24 V DC max.		15 mA @ 24 V DC max.		6 mA @ 24 V DC max.			
Voltage Drop	3.5 V max.		3.7 V max.		1.5 V max.		0.5 V max.		1.5 V max.		0.5 V max.	
Leakage Current	-		0.1 mA (40 uA) max.		0.01 mA max.							
Indicator	Green LED		Red LED			Green LED						
Cable	ø4, 2C, PVC		ø4, 3C, PVC									
Operating Frequency	200 Hz		1000 Hz max.									
Magnet Requirement *2	80 Gauss		50 ~ 1000 Gauss		70 Gauss		50 ~ 1000 Gauss		70 Gauss		50 ~ 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		2, 3, 4		3, 4		2, 3, 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.

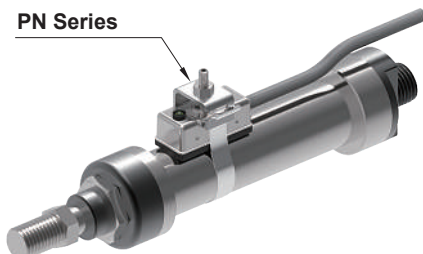
*4 : Double amplitude 1.5 mm / 10 Hz ~ 55 Hz ~ 10 Hz (Sweep 1 min) / X , Y , Z 3 directions / 1 hour each time.

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

Clamps / Bracket

KT-20 & KT-21 series can be applied to many kind of cylinders

PN Series



PM Series

