Magnetic Proximity SW.

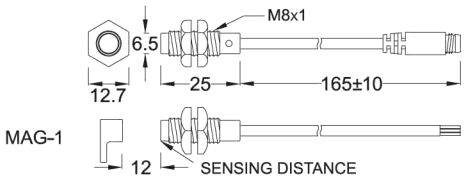
KT-28 SERIES

RoHS

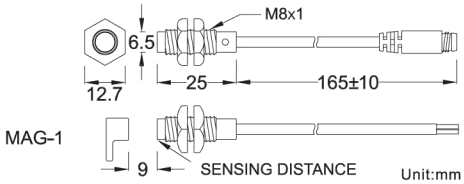
Magnetic switch

■ DIMENSION

KT-28N, KT-28P,KT-28N-NC
KT-28N-QD, KT-28P-QD, KT-28N-NC-QD



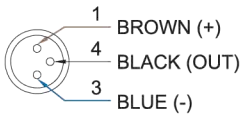
KT-28R / KT-28R-QD



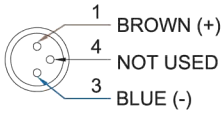
Unit:mm

■ QD PINOUT

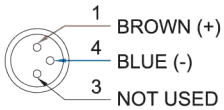
***3 wire QD wiring**



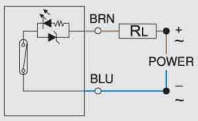
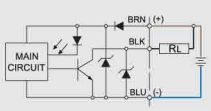
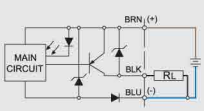
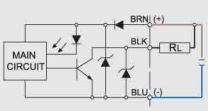
***2 wire QD wiring**



***2 wire EQD wiring**



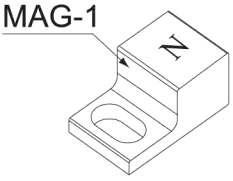
■ SPECIFICATION

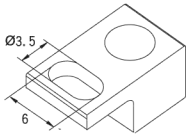
TYPE	KT-28R	KT-28N	KT-28P	KT-28N-NC
CONNECT DIAGRAM / CHARACTERISTICS				
WIRING METHOD	2-Wire Type	3-Wire Type		
SWITCHING LOGIC	SPST, Normally Open	Solid State Output, Normally Open		Normally Close
SENSOR TYPE	Reed Switch	NPN Current Sinking	PNP Current Sourcing	NPN Current Sinking
OPERATING VOLTAGE	5~120V DC/AC	5~30V DC		
SWITCHING CURRENT	40 mA max.	100 mA. max.		
CONTACT RATING (NOTE 1)	5 W max.	6 W max.		
CURRENT CONSUMPTION	--	18 mA @ 24V DC max.		
VOLTAGE DROP	2.5 V max.	0.5 V max.		
LEAKAGE CURRENT	--	0.01 mA max.		
INDICATOR	Red LED		Green LED	Red LED
CABLE	ø3.3, 2C, PVC	ø3.3, 3C, PVC		
OPERATING FREQUENCY	200 Hz	1000 Hz		
SENSING DISTANCE (NOTE 2)	9 mm max.	12 mm max.		
TEMPERATURE RANGE	-10~70˚C			
SHOCK (NOTE 3)	30 G	50 G		
VIBRATION (NOTE 4)	9 G			
ENCLOSURE CLASSIFICATION	IEC 529 IP 67			
PROTECTION CIRCUIT (NOTE 5)	1	3,4		

NOTE:
1. WARNING: Never exceed rating (Watt=Voltage x Amperage). Permanent demage to sensor will occur.
2. Measuring standard target: MAG-1 (NdFeB Magnet)
3. Sin wave / X , Y , Z 3 directions / 3 times each direction / 11 ms each time.
4. Double amplitude 1.5 mm / 10Hz~55Hz~10Hz (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

■ NdFeB MAGNET

MAG-1





Unit:mm