

# G-51 SERIES

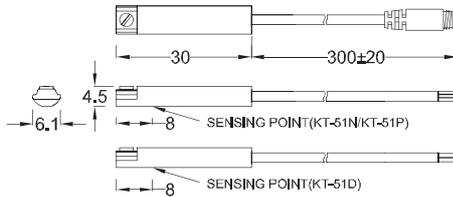


# Magnetic switch

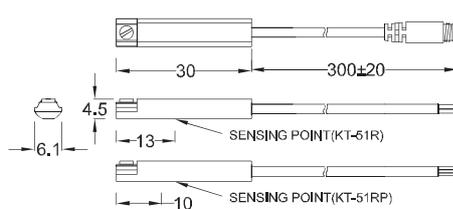


## ■ DIMENSION

G-51N, G-51P, G-51D / G-51N-QD, G-51P-QD, G-51D-QD

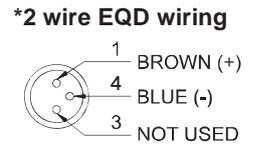
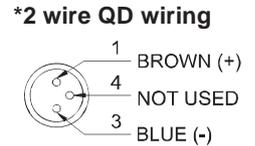
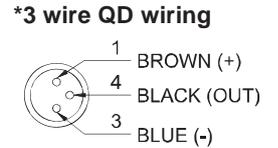


G-51R, G-51RP / G-51R-QD, G-51RP-QD



Unit:mm

## ■ QD PINOUT



## ■ SPECIFICATION

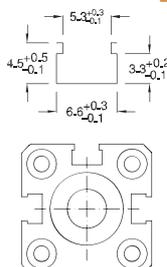
TYPE	G -51R	G -51D	G -51N	G -51P	G -51RP
<b>CONNECT DIAGRAM</b>					
<b>CHARACTERISTICS</b>					
<b>WIRING METHOD</b>	2-Wire Type		3-Wire Type		
<b>SWITCHING LOGIC</b>	SPST, Normally Open		Solid State Output, Normally Open		SPST, Normally Open
<b>SENSOR TYPE</b>	Reed Switch	--	NPN Current Sinking	PNP Current Sourcing	Reed Switch
<b>OPERATING VOLTAGE</b>	5~240V DC/AC	10~28V DC	10~30V DC		10~30V DC/AC
<b>SWITCHING CURRENT</b>	100 mA max.	50 mA max.	200 mA. max		500 mA. max
<b>CONTACT RATING</b>	10 W max.	1.5 W max.	6W max.		10W max.
<b>CURRENT CONSUMPTION</b>		--	20 mA @ 24V DC max.		5 mA @ 24V DC max.
<b>VOLTAGE DROP</b>	3.0 V max.	3.5 V max.	1.5 V max.		0.1 V @100mA max.
<b>LEAKAGE CURRENT</b>	--	0.8 mA max.	0.05 mA max.		--
<b>INDICATOR</b>	Red LED			Yellow LED	
<b>CABLE</b>	ø3, 2C, PUR		ø3, 3C, PUR		
<b>OPERATING FREQUENCY</b>	200 Hz		1000 Hz		200 Hz
<b>MAGNET REQUIREMENT (NOTE 1)</b>			65 Gauss		
<b>TEMPERATURE RANGE</b>			-10~70°C		
<b>SHOCK (NOTE 2)</b>	30 G		50 G		30 G
<b>VIBRATION (NOTE 3)</b>			9 G		
<b>ENCLOSURE CLASSIFICATION</b>	IEC 529 IP 67				
<b>PROTECTION CIRCUIT (NOTE 4)</b>	1	2,4	2,3,4		1

### NOTE:

1. Measuring standard target: ø15.5Xø8X5t (Anisotropy rubber magnet)
2. Sin wave / X` Y` Z` 3 directions / 3 times each direction / 11 ms each time.
3. Double amplitude 1.5 mm / 10Hz~55Hz~10Hz (Sweep 1 min) / X` Y` Z` 3 directions / 1 hour each time.
4. 1=None / 2=Short-circuit / 3=Power Source Reverse polarity / 4=Surge Suppression

## ■ GROOVE DIMENSION

**G-50 & G-51 series can be applied to many kind of cylinders**



Unit:mm

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