



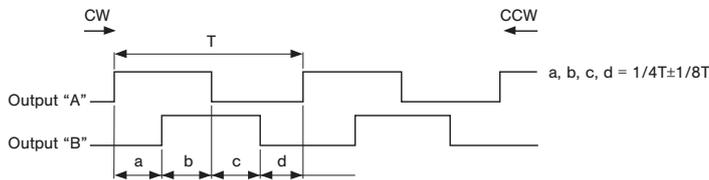
# RE12D

## OPTICAL ENCODERS

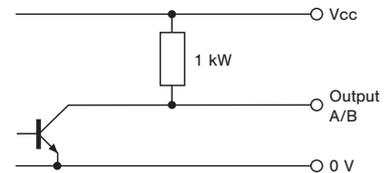
### RELIABILITY TEST

Test item		Test conditions	
Vibration	Power OFF	Amplitude : 1.52 mm or 98.1 m/s <sup>2</sup> (10 G) whichever is smaller. 10 ~ 500 Hz excursion 5 min/cycle, 1 hour each for X, Y, Z, directions.	
Shock	Power OFF	1 time each in 6 directions (X, Y, Z) at 490 m/s <sup>2</sup> (50 G), 11 ms.	
High temperature exposure	Power OFF	80 °C 96 h	(To be measured after leaving samples for 1 h at normal temperature and humidity after the test.)
	Power ON	50 °C 96 h	
Low temperature exposure	Power OFF	- 20 °C 96 h	
	Power ON	0 °C 96 h	
Humidity	Power OFF	To be measured after wiping out moisture and leaving samples for 1 h at normal temperature and humidity after the test.	
Thermal shock	Power OFF	To be done 5 cycles with the following condition (To be measured after leaving samples for 1 h at normal temperature and humidity after the test.) 70 °C 0.5 h、 - 20 °C 0.5 h	

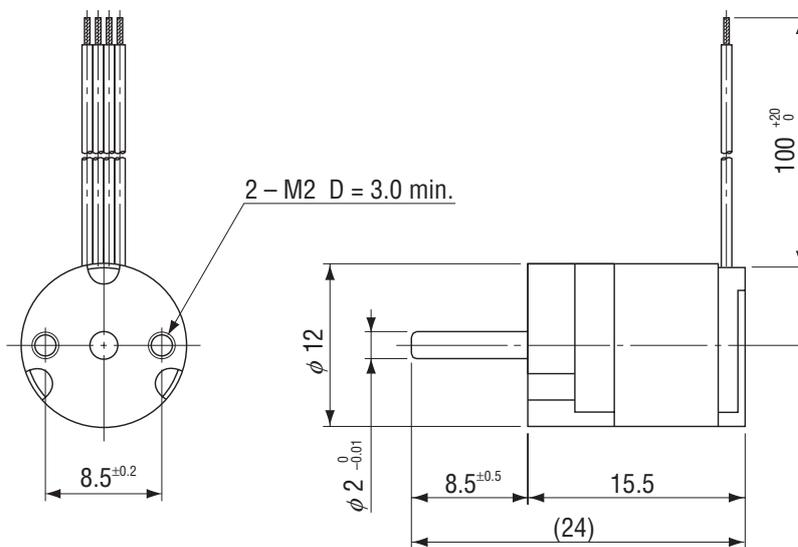
### OUTPUT



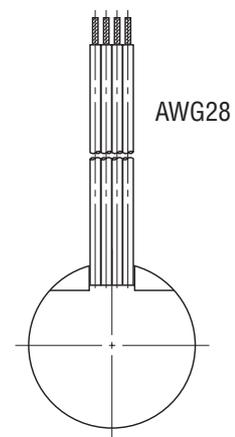
### OUTPUT CIRCUIT



### OUTLINE DIMENSIONS



Unless otherwise specified, tolerance : ± 0.4 (Unit : mm)



### ELECTRICAL WIRING

Red	Power ⊕
Black	Power 0 (V)
White	Output "A"
Green	Output "B"