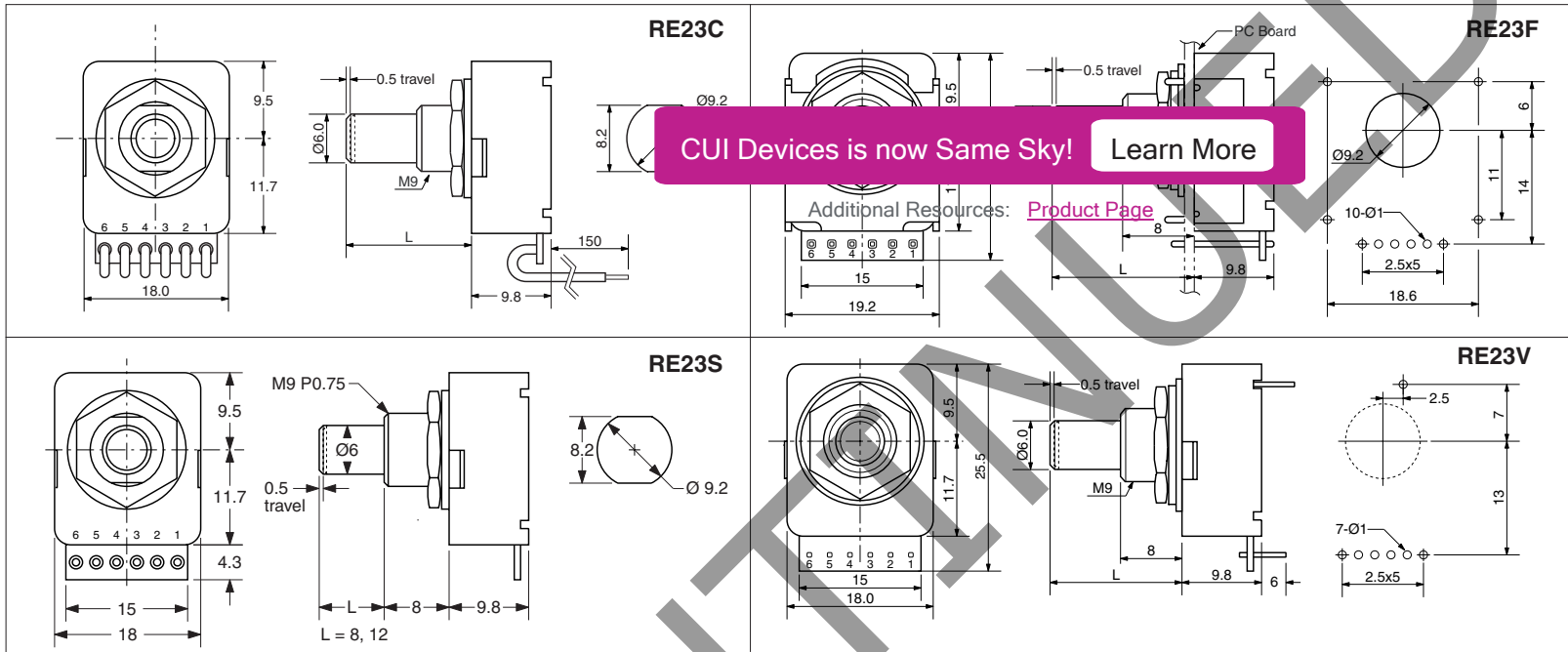


REV.	DESCRIPTION	DATE
A	BRAND UPDATE	09/01/2020



CUI Devices is now Same Sky! [Learn More](#)

Additional Resources: [Product Page](#)

### SPECIFICATIONS

#### ELECTRICAL

- Input Power: 5.0 VDC  $\pm 10\%$  @ 10mA  
3.3 VDC  $\pm 10\%$  @ 10mA
- Output Voltage: H = Vcc - 0.4V  
L 0.4V
- Resolution: 16, 25 PPR
- Output Type: TTL/CMOS Compatible
- Max. Freq. Response: 500 Hz
- Push switch rating: 12VDC@20mA max.

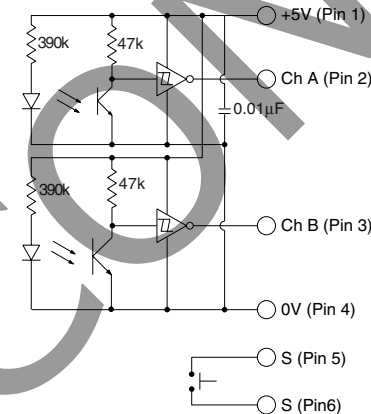
#### MECHANICAL

- Max Shaft Load, radial: 1.0 kgf  
axial: 1.0 kgf
- Rotational Angle: 360° continuous
- Click Torque: 100 gf cm max.
- Push switch actuation force: 300~700gf
- Rotational Life: 2.5 x 10<sup>6</sup> cycles

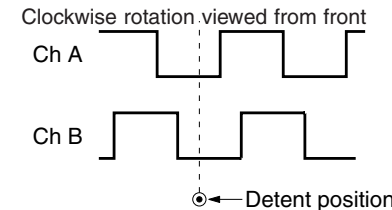
#### ENVIRONMENTAL

- Operating Temp: 0° to +60° C
- Storage Temp: -20° to +80° C
- Humidity: 85% RH, no condensation
- Vibration: 10~55 Hz, 1.5 mm, 2 hrs
- Shock: 50G, 6ms, 3 axes, 3 reps

#### OUTPUT CIRCUIT



#### OUTPUT WAVEFORM



#### ORDERING INSTRUCTIONS

**RE23X X XX C XXRX**

Type: \_\_\_\_\_  
N: Non-Drip Proof

Termination Options: \_\_\_\_\_  
S: Solder Hole  
C: Cable Type  
V: Vertical Mount  
F: Front Mount

Resolution:  
16: 16 PPR  
25: 25 PPR

Detent:  
C: Detent Only

Input Voltage:  
A: 5V $\pm 5\%$  input  
B: 3.3V input

Shaft Length:  
16: 16mm shaft  
20: 20mm shaft

CUI Devices  
6405 SW Rosewood St, Suite C  
Lake Oswego, OR 97035  
[www.cuidevices.com](http://www.cuidevices.com)

TITLE:	panel mount optical encoder, push switch	REV:	A
PART NO.	RE23XXXXCXXRX	UNITS:	MM
DRAWN BY:	JRH	APPROVED BY:	
		SCALE:	

