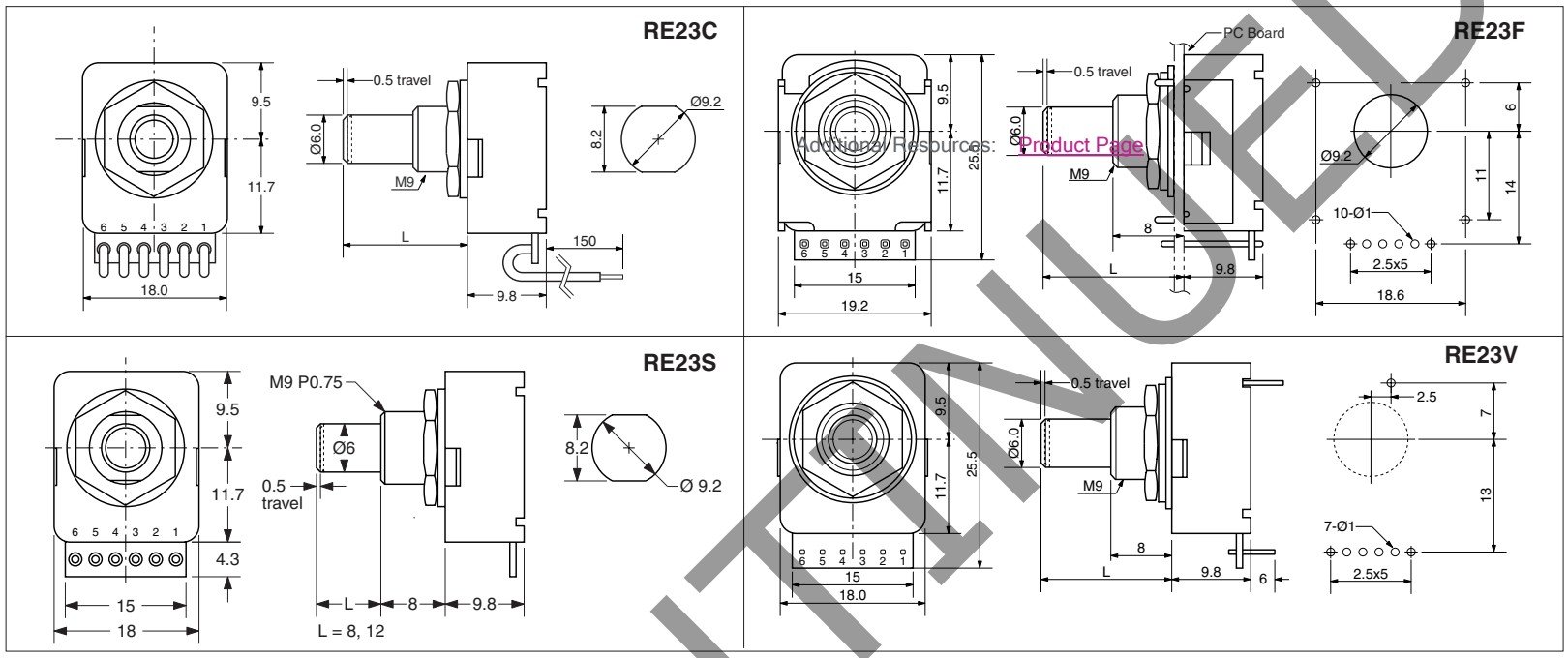
REV.	DESCRIPTION	DATE
A	BRAND UDPATE	09/01/2020



SPECIFICATIONS

ELECTRICAL

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

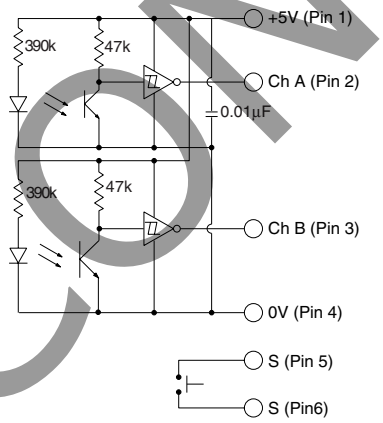
MECHANICAL

1. Max Shaft Load, radial: 1.0 kgf
   axial: 1.0 kgf
2. Rotational Angle: 360° continuous
3. Click Torque: 100 gf cm max.
4. Push switch actuation force: 300~700gf
4. Rotational Life: 2.5 x 10^6 cycles

ENVIRONMENTAL

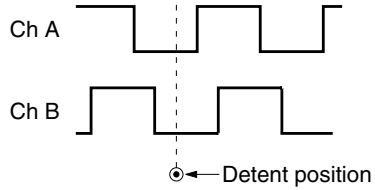
1. Operating Temp: 0° to +60° C
2. Storage Temp: -20° to +80° C
3. Humidity: 85% RH, no condensation
4. Vibration: 10~55 Hz, 1.5 mm, 2 hrs
5. Shock: 50G, 6ms, 3 axes, 3 reps

OUTPUT CIRCUIT



OUTPUT WAVEFORM

Clockwise rotation viewed from front



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

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

Input Voltage:
A: 5V±5% input
B: 3.3V input

CUI Devices
6405 SW Rosewood St, Suite C
Lake Oswego, OR 97035
www.cuidevices.com

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

RoHS

DISCONTINUED
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