

PART NUMBER: ACZ11BRXE-XXXXA1-XXX

DESCRIPTION: mechanical incremental encoder

ELECTRICAL SPECIFICATIONS

output waveform	Square wave
output signals	A, B phase
current consumption	10 mA
output phase difference	T1, T3 $\geq$ 3.5ms
supply voltage	5 V dc
output resolution (ppr)	12, 15, 20
insulation resistance	300 V dc, 100M Ω min.
withstand voltage	300 V ac

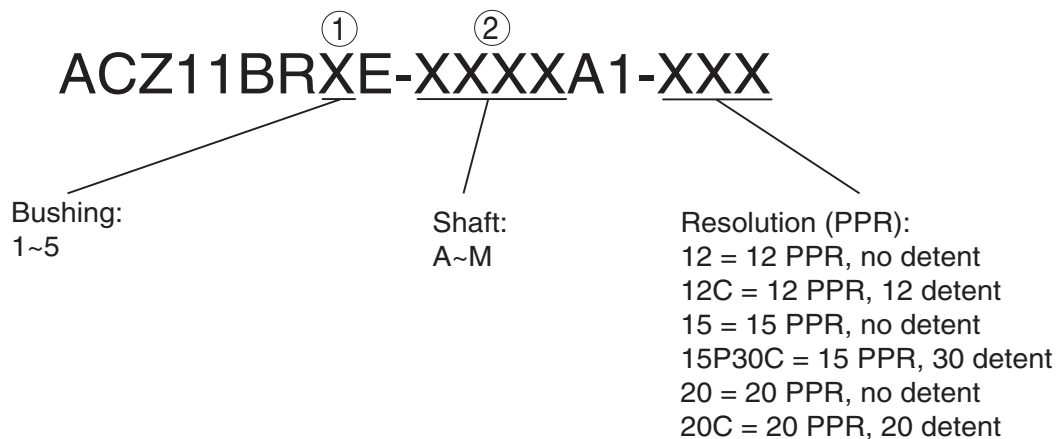
MECHANICAL SPECIFICATIONS

max shaft load, axial:	8kgf
rotational torque	with detent click: 140 $\pm$ 80gf•cm with no click: 80 $\pm$ 20gf•cm
push switch operational force	300~900gf•cm
push switch cycle life	50,000 cycles
rotational life	30,000 cycles

ENVIRONMENTAL SPECIFICATIONS

operating temp	-10° to +65° C
storage temp	-40° to +75° C
humidity	85% RH
vibration	10~55 Hz. 0.75mm, 2 hours

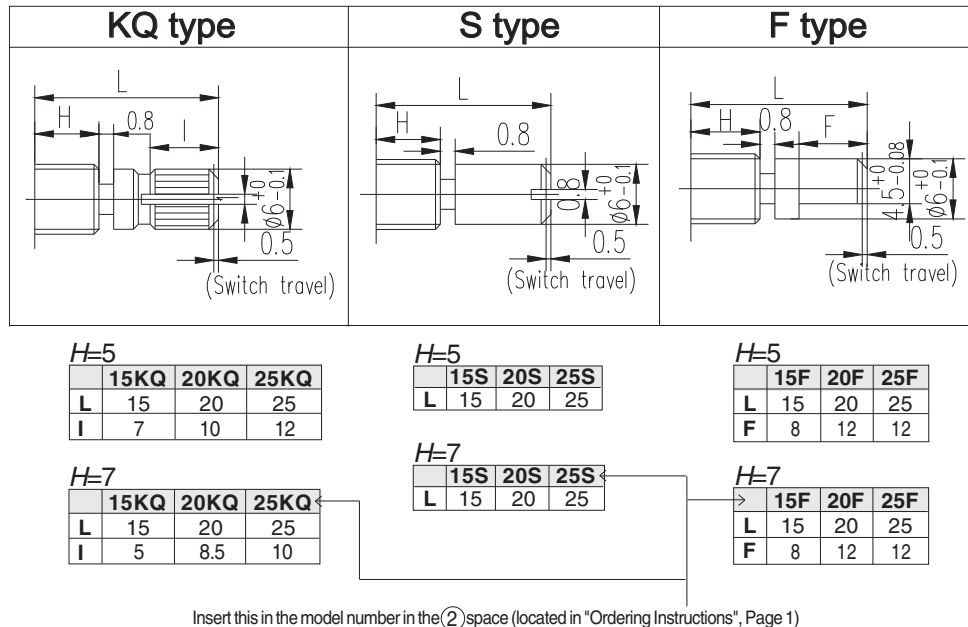
ORDERING INSTRUCTIONS



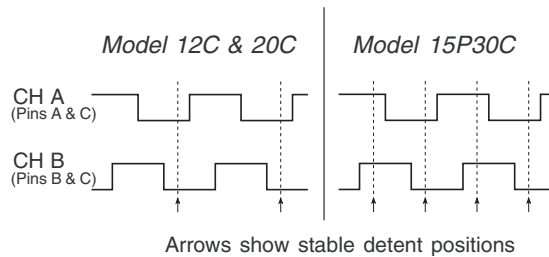
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SHAFT OPTIONS



OUTPUT WAVEFORM



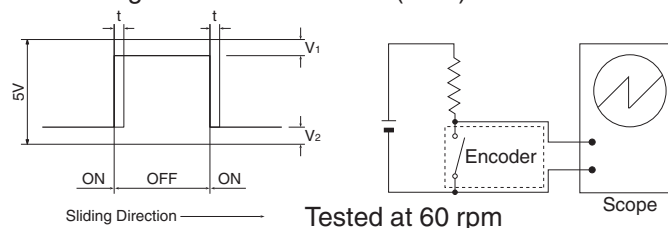
BUSHING OPTIONS

Insert this in the model number in the ① space (located in "Ordering Instructions", Page 1)

BUSHING		
Condition	N	
1 M7-P0.75	5	
2 M7-P0.75	7	
3 M7-P0.75	9	
4 smooth	5	
5 smooth	7	

SLIDING NOISE

t = Masking time to avoid chatter (5mS) $V_1 = V_2 = 1V$ max.





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MECHANICAL DRAWING

