

# Encoder

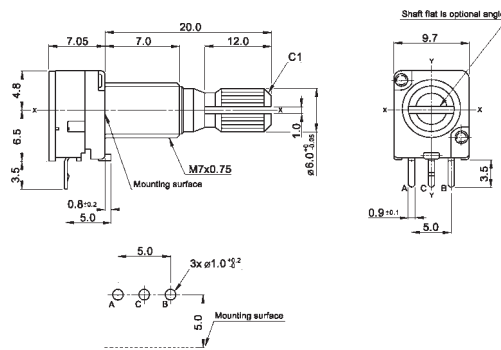


## Specifications:

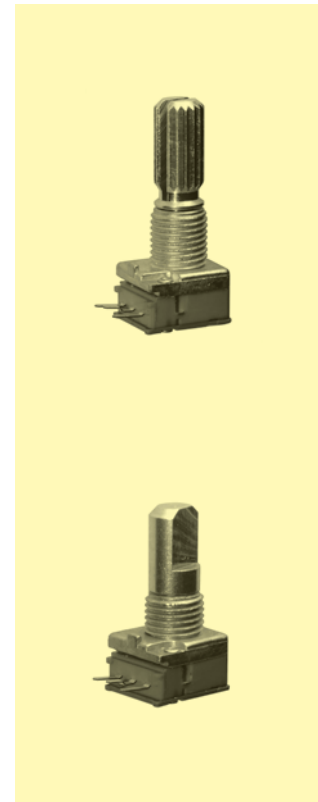
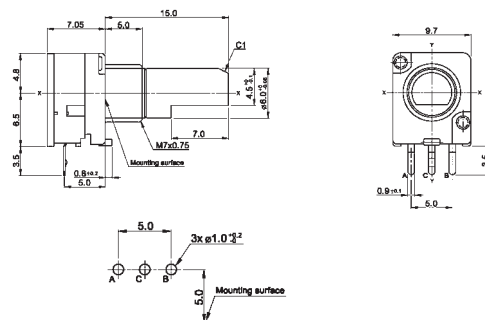
Contact rating:	5 V DC, 10 mA
Contact resistance:	< 100 mΩ
Insulation resistance:	> 100 MΩ
Dielectric strength:	300 V, 50 Hz for the duration of 1 minute
Operating temperature:	-10° to +65° C
Rotational/Detent torque:	0,5/1,0 Ncm
Pulses/Detents per turn:	15/30
Mechanical life:	> 15 000 cycles
Pushbutton (optional):	actuation force 5 N, travel 0,5 mm, life > 10 000 operations
Contacts:	silver-plated
Terminals:	silver-plated
Mounting:	on pc-board single hole mounting M 7 x 0,75
Soldering conditions:	auto-soldering – max.: 5 sec, 260° C

## Models:

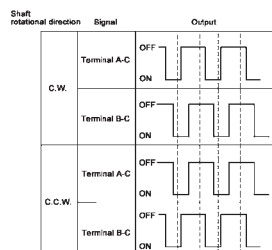
MER9-15220BM7R



MER9-15115AM7R



## Output signal format:

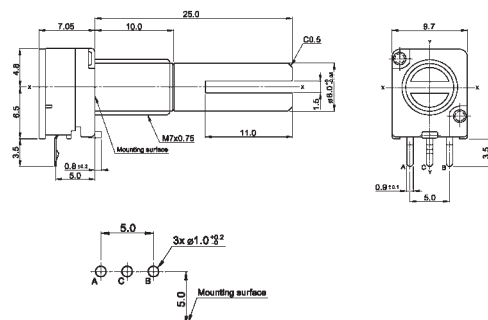




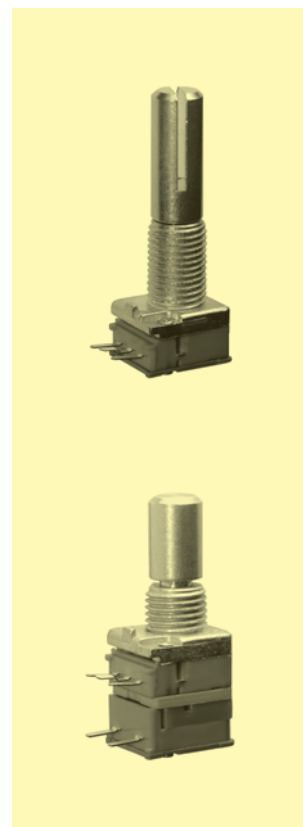
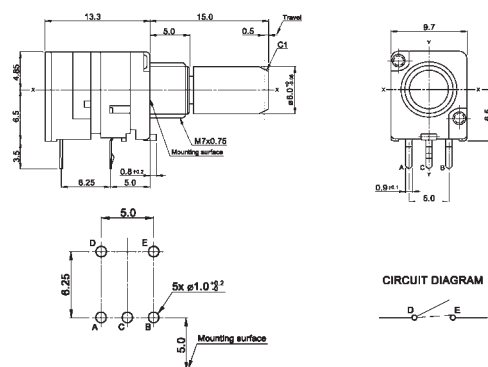
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## Models:

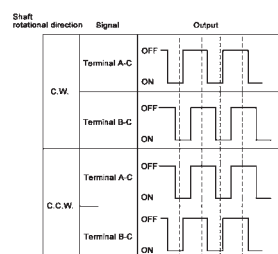
MER9-15325CM7R



MERP9-15415AM7R



## Output signal format



## Ordering code 9 mm Encoder:

MER  9      -

**Switch function:**  
 no switch  
 switch

**Shaft type:**  
 1 flat shaft  
 2 knurled shaft  
 3 cut shaft  
 4 round shaft

**Bushing:**  
 A 5 mm  
 B 7 mm  
 C 10 mm

**Orientation:**  
 horizontal

**Number of pulses:**  
 12 12 pulses  
 15 15 pulses

**Shaft length:**  
 15 15 mm  
 20 20 mm  
 25 25 mm

**Bushing thread:**  
 M7  
 no thread