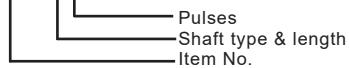


**P69111 x x** (from P69111 to P69131)

## Shaft type &amp; length (P69111~P69114)

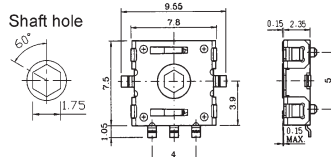
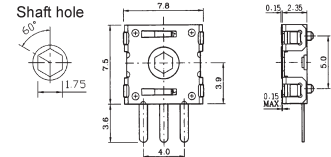
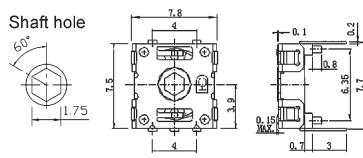
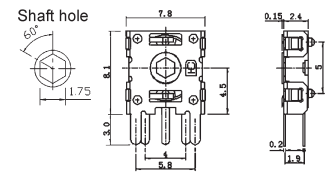
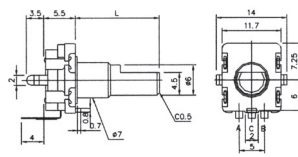
| Code       | A  | B  | C  | D  | E  | F  |
|------------|----|----|----|----|----|----|
| Shaft type |    |    |    |    |    |    |
| L          | 15 | 20 | 25 | 15 | 20 | 25 |

## Pulses (P69201 ~ P69202)

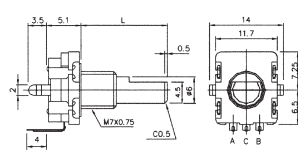
| Pin No | Position ● Real code ○ Complimentary code |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------|-------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|        | 0                                         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
| 1      | ○                                         | ● | ○ | ● | ○ | ● | ○ | ● | ○ | ● | ○ | ● | ○ | ● | ○ | ● |
| 2      | ○                                         | ○ | ● | ● | ○ | ○ | ● | ● | ○ | ○ | ● | ● | ○ | ○ | ● | ● |
| 4      | ○                                         | ○ | ○ | ○ | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ |
| 8      | ○                                         | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

## Pulses (P69091 ~ P6916)

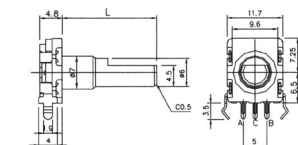
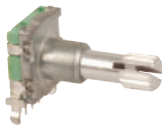
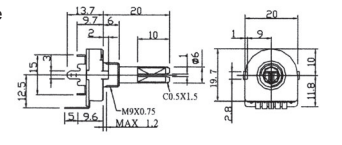
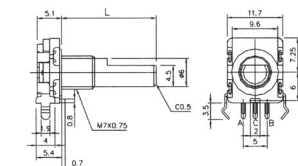
| Code                                                | Pulses | Signal                               | Output (C.W.) |
|-----------------------------------------------------|--------|--------------------------------------|---------------|
| P69111A<br>P69112A<br>P69113A<br>P69114A            | 15     | A (terminal A-C)<br>B (terminal B-C) | OFF ON<br>ON  |
| P69111B<br>P69112B<br>P69113B<br>P69114B            | 20     | A (terminal A-C)<br>B (terminal B-C) | OFF ON<br>ON  |
| P69091A<br>P69093A<br>P69095A<br>P69097A<br>P69131A | 12     | A (terminal A-C)<br>B (terminal B-C) | OFF ON<br>ON  |
| P69091B<br>P69093B<br>P69095B<br>P69097B<br>P69131B | 24     | A (terminal A-C)<br>B (terminal B-C) | OFF ON<br>ON  |
| P6916                                               | 24     | A (terminal A-C)<br>B (terminal B-C) | OFF ON<br>ON  |

**P69091**  
7mm Rotary encoder  
DC 10V 0.01A**P69095**  
7mm Rotary encoder  
DC 10V 0.01A**P69093**  
7mm Rotary encoder  
DC 10V 0.01A**P69097**  
7mm Rotary encoder  
DC 10V 0.01A**P69111**  
11mm Rotary encoder  
DC 5V 0.01A**P69131**  
13mm Rotary encoder  
DC 5V 0.0005A

| Code         | A    | B  | C    | D  |
|--------------|------|----|------|----|
| Shaft length | 17.5 | 20 | 22.5 | 25 |

**P69112**  
11mm Rotary encoder  
DC 5V 0.01A  
Screw type**P6916A / B / C**  
16mm Rotary encoder  
DC 5V 0.0005A & 24 pulses  
Screw type

| Code         | A  | B  | C  |
|--------------|----|----|----|
| Shaft length | 15 | 20 | 25 |

**P69113**  
11mm Right angle rotary encoder  
DC 5V 0.01A**P69201**  
20mm Rotary encoder  
DC 10V 0.01A & 16 pulses & screw type  
4Bit binary**P69114**  
11mm Right angle rotary encoder  
DC 5V 0.01A  
Screw type**P69202**  
20mm Right angle rotary encoder  
DC 10V 0.01A & 16 pulses & screw type  
4Bit binary