

## 27/18 mm Center Space Encoders

Type: **EVQV5**



### ■ Features

- Multiple unit construction (achieved by mounting switches, LEDs, etc.) (center space) on the printed wiring board
- Good operability and high reliability

### ■ Recommended Applications

- Car audio products (adjustment of volume, tone, tuners, etc.)
- AV equipment (control of edit functions of VCRs, CD players, etc.)

### ■ Explanation of Part Numbers

|              |   |   |      |   |   |            |   |   |                |    |    |
|--------------|---|---|------|---|---|------------|---|---|----------------|----|----|
| 1            | 2 | 3 | 4    | 5 | 6 | 7          | 8 | 9 | 10             | 11 | 12 |
| E            | V | Q | V    | 5 |   |            |   |   |                |    |    |
| Product Code |   |   | Type |   |   | Design No. |   |   | Output(Pulses) |    |    |

### ■ Specifications

|                 |                                  |                                 |
|-----------------|----------------------------------|---------------------------------|
| Mechanical      | Rotation Angle                   | 360 ° (Endless)                 |
|                 | Rotation Torque (Detents Torque) | 9 mN·m, 13.5 mN·m, 18 mN·m      |
|                 | Detents                          | 18 points, 30 points            |
| Electrical      | Output Signal                    | Phase A and B                   |
|                 | Resolution                       | 9 pulses/360 °, 15 pulses/360 ° |
|                 | Rating                           | 1 mA 10 Vdc                     |
|                 | Contact Resistance               | 1 Ω max.                        |
|                 | Chattering                       | 5 ms max.                       |
|                 | Insulation Resistance            | 50 mΩ min. (at 250 Vdc)         |
| Endurance       | Dielectric Withstanding Voltage  | 300 Vac for 1 minute            |
|                 | Rotation Life                    | 30000 cycles min.               |
|                 | Minimum Quantity/Packing Unit    | 80 pcs. (Tray Pack)             |
| Quantity/Carton |                                  | 1600 pcs.                       |

### ■ Dimensions in mm (not to scale)

