

# JAGPOT

## Integrated Potentiometer



### Key Features

- Fully integrated potentiometer in monolithic body
- IP67 and IP69K protection rating
- Rotary potentiometer with Cermet technology
- 3 pole Push-In type spring-operated connection system
- Various resistance values



### Options & Ordering Codes

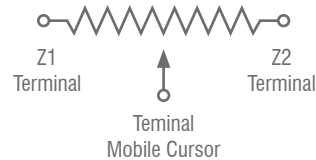
**JAGPOT - 4.7K**

| Series                          |        | Resistance |       |      |       |
|---------------------------------|--------|------------|-------|------|-------|
| Integrated Potentiometer Series | JAGPOT | 1K         | 1kΩ   | 22K  | 22kΩ  |
|                                 |        | 2.2K       | 2.2kΩ | 47K  | 47kΩ  |
|                                 |        | 4.7K       | 4.7kΩ | 100K | 100kΩ |
|                                 |        | 10K        | 10kΩ  | 470K | 470kΩ |

### Technical Specification

|                                                              |                                                                                        |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Rated Insulation Voltage (Ui)                                | 300VAC/DC                                                                              |
| Resistive Material                                           | Cermet                                                                                 |
| Operation                                                    | Linear                                                                                 |
| Resistance Tolerance                                         | ±10%                                                                                   |
| Cross-section of Rigid/Flexible Wires (with Wire-End Sleeve) | min. 1 x 0.34mm <sup>2</sup> (1 x AWG 24)<br>max. 1 x 1.5mm <sup>2</sup> (1 x AWG 16)  |
| Cross-section with Pre-Insulated Wire-End Sleeve             | min. 1 x 0.34mm <sup>2</sup> (1 x AWG 24)<br>max. 1 x 0.75mm <sup>2</sup> (1 x AWG 18) |
| Connection System                                            | Push-In Spring Type                                                                    |
| Cable Stripping Length (x)                                   | min.: 8mm, max.: 12mm (see diagram)                                                    |
| Protection Degree                                            | IP67 acc. to EN 60529<br>IP69K acc. to ISO 20653                                       |
| Ambient Temperature                                          | -40°C to +80°C                                                                         |
| Mechanical Endurance                                         | 50,000 Operating Cycles                                                                |
| Tightening Torque of Fixing Ring                             | 2.0 - 2.5Nm                                                                            |

### Pin Assignment



### Cable Stripping Length (x)



### General Data (1W Version)

| Resistance (kΩ) | Rated Operating Voltage (Ue max.) | Rated Operating Current (Ie max.) | Max. Power (70°C) |
|-----------------|-----------------------------------|-----------------------------------|-------------------|
| 1               | 31V                               | 31mA                              | 1W                |
| 2.2             | 46V                               | 21mA                              | 1W                |
| 4.7             | 63V                               | 14mA                              | 1W                |
| 10              | 100V                              | 10mA                              | 1W                |
| 22              | 148V                              | 6.7mA                             | 1W                |
| 47              | 217V                              | 4.6mA                             | 1W                |
| 100             | 300V                              | 3mA                               | 0.9W              |
| 470             | 300V                              | 0.75mA                            | 0.23W             |

NOTE: Other resistance values are available upon request. Potentiometer also available in 0.5W version