# Honeywell

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## **Honeywell Sensing and Control**

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### 53C12K



53 Series Industrial Potentiometer, Conductive Plastic Element, Solder lug Terminals, 2 W Power Rating, 2 kOhm Resistance Value

Actual product appearance may vary.

#### **Features**

Robust nickel-plated brass shaft and bushings Conductive plastic element Linear taper 25,000 cycle rotational life

#### **Potential Applications**

Manual controls (throttle, joystick) Electric vehicles Personal mobility Off-road vehicles Welding and heating Telecommunications

#### Description

The 53 Series is an economical potentiometer made with a rugged construction. It offers a 2 watt power rating and the benefits of a conductive plastic element. It is available in a special construction that accepts a rotary switch (purchased separately).

#### **Supporting Documentation**

Dimensions

Accessory: Knobs and Dial Plate

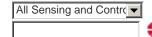
| Product Specifications |                                |
|------------------------|--------------------------------|
| Potentiometer Type     | Industrial                     |
| Element Type           | Conductive Plastic             |
| Terminal               | Solder lug                     |
| Power Rating           | 2 W                            |
| Resistance Value       | 2 kOhm                         |
| Resistance Tolerance   | ± 10 %                         |
| Linearity              | ± 5 %                          |
| Bushing Thread         | 9,53 mm [0.375 in] x 32 NEF-2A |
| Bushing Length         | 9,53 mm [0.375 in]             |
| Bushing Type           | Standard                       |
| Shaft Diameter         | 6,35 mm [0.25 in]              |
| Shaft Length           | 50,80 mm [2.0 in]              |
| Shaft Ending           | Plain round                    |
|                        |                                |

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#### **Product Search**

Part number search:



→ Specification Search

| Body                   | 27.8 mm [1.094 in] diameter max. except at terminal standoff |
|------------------------|--|
| Electrical Taper       | Linear   |
| Operating Temperature  | -55 °C to 120 °C [-67 °F to 248 °F]                          |
| Working Voltage (Max.) | 500 V  |
| Rotational Life        | 25000 cycles   |
| Mechanical Rotation    | 312°   |
| Availability           | Global   |
| Series Name            | 53   |
| UNSPSC Code            | 4111363300   |
| UNSPSC Commodity       | 4111363300 Potentiometers                                    |

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