

Honeywell Sensing and Control



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53C12K



Actual product appearance may vary.

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

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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

| 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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| | |
|------------------------|--|
| 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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