

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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