

## Honeywell Sensing and Control



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### 53C15MEG



Actual product appearance may vary.

**53 Series Industrial Potentiometer, Conductive Plastic Element, Solder lug Terminals, 2 W Power Rating, 5 MOhm 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       | 5 MOhm                         |
| Resistance Tolerance   | ± 20 %                         |
| 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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