



| Electrical Data                                |              |                  |
|--|--------------|------------------|
| Nominal resistance                             | 1/5/10       | kOhm             |
| Resistance tolerance                           | ±20          | %                |
| Independent linearity                          | ±1           | % of meas. range |
| Electrical angle                               | 340          | °                |
| Repeatability                                  | max. 0.1     | °                |
| Temperature coefficient of the voltage divider | 50           | ppm/°C           |
| Recommended wiper current                      | max. 1       | µA               |
| Max. wiper current in case of malfunction      | 10           | mA               |
| Power rating P                                 | max. 0.5     | W/40°C           |
| Min. life (electrical)                         | 10 Mio.      | cycles           |
| Mechanical Data                                |              |                  |
| Mechanical range                               | 360          | ° (continuous)   |
| Torque (IP54)                                  | max. 0.7     | Ncm              |
| Min. life (mechanical)                         | 5 Mio.       | cycles           |
| Max. permitted axial shaft load                | 1            | N                |
| Max. permitted radial shaft load               | 1            | N                |
| Operating temperature                          | -25 ... +85  | °C               |
| Storage temperature                            | -40 ... +105 | °C               |
| Protection class                               | IP54         |                  |
| Standards                                      |              |                  |
| Insulating resistance (500 VDC, 1bar, 2s)      | 10           | GOhm             |
| Dielectric strength (VAC, 50Hz, 1min, 1bar)    | 1            | kV               |
| Vibration (Amax = 0.75mm, f = 30 ... 2000 Hz)  | 10           | g                |
| Shock (half sine pulse, 7 ms)                  | 50           | g                |

## PL340

### Applications

- Valve controls
- Joysticks / Master switches

### Features

- Plastic housing
- Connection by wires
- Small dimensions
- Design flexibility
- 5 Mio. cycles
- Excellent linearity, up to ±0.25%
- Very good resolution better 0,1°

### Options

- Resistance tolerance ±10%
- Independent linearity ±0.25%
- Custom electrical angles and switch functions available
- Mechanical end stops
- Protection class IP65
- Custom shaft design
- Customer specific wires

Subject to change  
without notice  
State: 26-Oct-2005