

**Features**

- Many applications
- Metal roller plunger
- Painted zamak
- Pre-wired with UL cable 5x0.75

**RS PRO Limit Switches**

RS Stock No.: 0830134



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

# Limit Switches

## Product Description

*They are purpose-built detection devices thanks to these characteristics:*

- Presence/absence.*
- Positioning and travel limit.*
- Objects passing/counting.*

## General Specifications

|                            |                          |
|----------------------------|--------------------------|
| Actuator Type              | Metal roller plunger     |
| Normal State Configuration | 1NO + 1NC                |
| Contact Type               | Snap action contacts     |
| Operating Frequency        | 3600operations/hour max. |
| External Coating           | Painted zamak            |
| Colour                     | Grey                     |
| Applications               | Various                  |

| Materials        |                     |
|------------------|---------------------|
| Housing Material | Painted zamak       |
| Plunger          | Nickel-plated brass |
| Roller           | AISI 303            |

## Electrical Specifications

|                    |          |
|--------------------|----------|
| Output Type        | Analogue |
| Maximum Current    | 10A      |
| Maximum AC Voltage | 240V     |
| Maximum DC Voltage | 250V     |

# Limit Switches

|                                |                                            |
|--------------------------------|--------------------------------------------|
| Frequency                      | 50-60Hz                                    |
| Connection Type                | Pre-wired with UL cable 5x0.75 - Length 3m |
| Terminal Type                  | Free terminals                             |
| Contact Resistance             | 25mOhm max.                                |
| Rated Insulation Voltage       | 400V                                       |
| Impulse Withstand Voltage Uimp | 4KV Uimp                                   |

## Mechanical Specifications

|                           |                     |
|---------------------------|---------------------|
| Operating Force           | 15N                 |
| Mounting Orientation      | Side-Mount          |
| Cable Length              | 3m                  |
| Dimensions                | 35mm x 16mm x 70mm  |
| Width                     | 25mm                |
| Mechanical Life (Minimum) | 10000000 Operations |
| Weight                    | 385g                |

## Operation Environment Specifications

|                               |               |
|-------------------------------|---------------|
| Maximum Operating Temperature | 70°C          |
| Minimum Operating Temperature | -25°C         |
| Ambient Temperature           | -25°C to 70°C |

## Protection Category

|                                            |         |
|--------------------------------------------|---------|
| IP Rating                                  | IP67    |
| Class of Protection Against Electric Shock | Class I |

## Classification

|                |   |
|----------------|---|
| eCl@ss Version | - |
| UNSPSC Version | - |

## Approvals

|                           |                             |
|---------------------------|-----------------------------|
| Compliance/Certifications | CE - UKCA                   |
| Standards Met             | IEC 60947-5-1, EN 60947-5-1 |

Similar Products

| Parameters                   | Stock# | Stock# | Stock# | Stock# |
|------------------------------|--------|--------|--------|--------|
| Brand                        | RS RPO | RS RPO | RS RPO | RS RPO |
| Actuator Type                |        |        |        |        |
| Pole and Throw Configuration |        |        |        |        |
| Normal State Configuration   |        |        |        |        |
| Contact Type                 |        |        |        |        |
| Position Indicator           |        |        |        |        |
| Operating Speed              |        |        |        |        |
| Output Type                  |        |        |        |        |
| Maximum Current              |        |        |        |        |
| Maximum AC Voltage           |        |        |        |        |
| Maximum DC Voltage           |        |        |        |        |
| Frequency                    |        |        |        |        |
| Connection Type              |        |        |        |        |
| Terminal Type                |        |        |        |        |
| Switches                     |        |        |        |        |
| Contact Resistance           |        |        |        |        |
| Rated Insulation Voltage     |        |        |        |        |
| Impulse Withstand Voltage    |        |        |        |        |
| Insulation Resistance        |        |        |        |        |
| Operating Force              |        |        |        |        |

# Limit Switches

|                                            |  |  |  |  |
|--------------------------------------------|--|--|--|--|
| Mounting Orientation                       |  |  |  |  |
| Cable Length                               |  |  |  |  |
| Dimensions                                 |  |  |  |  |
| Length                                     |  |  |  |  |
| Width                                      |  |  |  |  |
| Depth                                      |  |  |  |  |
| Shaft                                      |  |  |  |  |
| Mechanical Life (Minimum)                  |  |  |  |  |
| Contact Gap                                |  |  |  |  |
| Weight                                     |  |  |  |  |
| Maximum Operating Temperature              |  |  |  |  |
| Minimum Operating Temperature              |  |  |  |  |
| Shock Resistance                           |  |  |  |  |
| Vibration Resistance                       |  |  |  |  |
| IP Rating                                  |  |  |  |  |
| Class of Protection Against Electric Shock |  |  |  |  |
| Standards Met                              |  |  |  |  |
| Hazardous Area Certification               |  |  |  |  |

CONSTRUCTIONAL/SCHEMATIC DIAGRAMS / INSTALLATION  
METHODS / ILLUSTRATIONS