

Model NSR51 Heavy Duty Limit Switch

Specifications

The Model NSR51 Heavy duty industrial limit switches are sensing limits on machines and industrial equipments. The heavy duty rugged design makes them suitable for most industrial applications. The body structure is covered with iron with static paint. Shaft mechanisms are made of stainless steel. NSR51 Belt Misalignment Switches, It can be mounted on both sides of the machine to be attached to the chassis. It is designed to prevent damage to the machine.

System decreases downtime and maintenance costs and time can be saved. The micro switch used in the products is approved by VDE. All products are produced as accordance with CE standards. Also It meets EAC standards for the Russian market. NSR51 series products do not require any maintenance. Because it is a limit switch that requires high reliability, it is a full-scale limit switch for heavy industry with improved environmental resistance and high mechanical strength.

Technical Specifications

- Body : Aluminum Alloy Die Cast
- Micro Switch Values : AC250V/15A (→)
- Output Signal : Min. 1 NC + 1 NO
- High temperature type : -20 °C ~ + 190 °C
- Contact Structure : Snap Action Switch
- Protection Class : IP67
- Weight : 1750g (1.65lb)
- Installation Structure : Suitable for using at double side
- Mechanical Operation Frequency : Alarm Angle is 12°, Stopping Angle 45°
- Mechanical Life : 5,000,000 Switching
- Warranty Period : 36 Months



Features

- Resistant to heavy conditions.
- The enclosure uses aluminum alloy die cast
- Mounting flanges are resistant to intense force.
- Resistant to high temperatures and instantaneous temperature changes
- The actuator part has a large total travel (TT), so it can be used as a switch
- High mechanical strength can be fully utilized
- Excellent environmental resistance
- Protective structure: The oil seal on the shaft and the O-ring seal on the cover provide an exterior immersion, oil and dust resistant structure.
- It has high durability against high vibration and shock performance
- It is mechanically long-lasting with roller bearings.

Options

- Mounting Plate
- Signal Lamp
- Alarm

Security Approvals

Electrical Safety	EN60947-5-1
Mechanical Safety	EN 60204
Outdoor Safety	EN 60529
Current Certificate	CE
Russia Market	EAC
Micro Switch	VDE

Model Specifications List

Product Code	Format	Bidirectional Operation	Movement to Right Side	Center Neutral	One-Step Operation	Two-Step Operation	Automatic Return	Forced Return	Internal Switch Standard Type	High Temperature Type	Circuit Structure SPDT
NSR51-LS-00	Roller Arm	x			x		x		x		x1
NSR51-LS-01	Roller Arm	x			x		x		x		x2
NSR51-LS-02	Roller Arm	x			x		x			x	x1
NSR51-LS-03	Roller Arm	x			x		x			x	x2
NSR51-LS-61	Roller Arm	x				x	x		x		x2
NSR51-LS-63	Roller Arm	x				x	x			x	x2
NSR51-LS-91	Roller Arm			x			x			x	x2
NSR51-LS-93	Roller Arm			x			x				x2
NSR51-PR-5210	Perforated Arm		x				x		x		x1
NSR51-PR-5211	Perforated Arm		x				x		x		x2
NSR51-LS-5530	Double Roller Arm							x	x		x1
NSR51-LS-5531	Double Roller Arm							x	x		x2
NSR51-BM-420	Roller Arm	x				x	x		x		x2

Technical Drawing

